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OM protein - protein search, using sw model

Run on: April 12, 2003, 22:29:49 ; Search time 9.77318 Seconds
(without alignments)
1382.463 Million cell updates/sec

Title: US-09-380-546A-4
Perfect score: 1114
Sequence: 1 MSAEVIHQVEEALDTDEKEM.....RMITPYAHCPDLKILGNCMSM 221

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 248812 seqs, 61136040 residues 248812

Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

- Database : Published Applications AA:*
- 1: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB pep.*
 - 2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB pep.*
 - 3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB pep.*
 - 4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB pep.*
 - 5: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB pep.*
 - 6: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB pep.*
 - 7: /cgn2_6/ptodata/2/pubpaa/PCTUS_PUBCOMB pep.*
 - 8: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB pep.*
 - 9: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB pep.*
 - 10: /cgn2_6/ptodata/2/pubpaa/US09_PUBCOMB pep.*
 - 11: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB pep.*
 - 12: /cgn2_6/ptodata/2/pubpaa/US10_PUBCOMB pep.*
 - 13: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB pep.*
 - 14: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1114	100.0	221	10	US-09-410-194-15
2	1114	100.0	221	10	US-09-410-194-22
3	1007	90.4	480	10	US-09-861-270-2
4	1007	90.4	480	10	US-09-410-194-11
5	1007	90.4	480	10	US-09-410-194-17
6	713	64.0	481	10	US-09-410-194-12
7	713	64.0	481	10	US-09-410-194-19
8	701.5	63.0	484	9	US-10-005-921-2
9	465	41.7	93	10	US-09-864-761-36370
10	248	22.3	182	10	US-09-410-194-24
11	239	21.5	171	10	US-09-410-194-4
12	234	21.0	169	10	US-09-410-194-2
13	234	21.0	188	10	US-09-410-194-23
14	198.5	17.8	169	10	US-09-410-194-5
15	192.5	17.3	479	10	US-09-410-194-20
16	185.5	16.7	177	10	US-09-410-194-7
17	170.5	15.3	171	10	US-09-410-194-1
18	170.5	15.3	171	10	US-09-410-194-13
19	170.5	15.3	250	9	US-10-068-564-48

20	170.5	15.3	250	10	US-09-989-903-48	Sequence 48, Appl
21	168	15.1	476	10	US-09-954-697-27	Sequence 27, Appl
22	168	15.1	496	10	US-09-952-768-4	Sequence 4, Appl
23	160	14.4	521	10	US-09-962-834A-2	Sequence 21, Appl
24	160	14.4	571	10	US-09-410-194-21	Sequence 2, Appl
25	157	14.1	479	10	US-09-952-768-2	Sequence 3, Appl
26	157	14.1	479	10	US-09-954-697-33	Sequence 6, Appl
27	155	13.9	165	10	US-09-410-194-6	Sequence 8, Appl
28	144	12.9	170	10	US-09-410-194-8	Sequence 32, Appl
29	110	9.9	76	9	US-10-001-254-32	Sequence 68, Appl
30	110	9.9	79	10	US-09-952-768-68	Sequence 2, Appl
31	110	9.9	256	10	US-09-933-814-2	Sequence 2, Appl
32	110	9.9	256	10	US-09-824-134-2	Sequence 3, Appl
33	109.5	9.8	167	10	US-09-410-194-3	Sequence 3, Appl
34	107	9.6	110	10	US-09-864-761-36543	Sequence 36543, A
35	101	9.1	75	9	US-10-001-254-31	Sequence 31, Appl
36	95	8.5	1057	10	US-09-815-242-5798	Sequence 5798, Ap
37	95	8.5	1107	10	US-09-815-242-12815	Sequence 12815, A
38	95	8.5	1198	10	US-09-815-242-12446	Sequence 12446, A
39	94.5	8.5	78	10	US-09-952-768-67	Sequence 67, Appl
40	94	8.4	84	10	US-09-952-768-64	Sequence 64, Appl
41	93	8.3	699	9	US-09-738-626-5012	Sequence 5012, Ap
42	91.5	8.2	1191	10	US-09-921-099-2	Sequence 2, Appl
43	91.5	8.2	1191	10	US-09-921-099-4	Sequence 4, Appl
44	91	8.2	81	10	US-09-410-194-9	Sequence 9, Appl
45	90	8.1	75	10	US-09-952-768-66	Sequence 66, Appl

ALIGNMENTS

RESULT 1

US-09-410-194-15

; Sequence 15, Application US/09410194

; Patent No. US20020095030A1

; GENERAL INFORMATION:

; APPLICANT: Tschoopp, Jurg

; APPLICANT: Thome, Margot

; APPLICANT: Burns, Kimberly

; APPLICANT: Immler, Marten

; APPLICANT: Hahne, Michael

; APPLICANT: Schroter, Michael

; APPLICANT: Schneider, Pascal

; APPLICANT: Bodmer, Jean-Luc

; APPLICANT: Steiner, Veronique

; APPLICANT: Rimoldi, Donata

; APPLICANT: Hofmann, Kay

; APPLICANT: French, E. Lars

; TITLE OF INVENTION: FLIP GENES AND FLIP PROTEINS

; FILE REFERENCE: 11141-002001

; CURRENT APPLICATION NUMBER: US/09/410,194

; CURRENT FILING DATE: 1999-09-30

; PRIOR APPLICATION NUMBER: PCT/EP98/01857

; PRIOR FILING DATE: 1998-03-31

; PRIOR APPLICATION NUMBER: GERMANY 197 13 393.2

; NUMBER OF SEQ ID NOS: 27

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 15

; LENGTH: 221

; TYPE: PRT

; ORGANISM: Homo sapiens

US-09-410-194-15

Query Match 100.0%; Score 1114; DB 10; Length 221;
Best Local Similarity 100.0%; Pred. No. 7.7e-95;
Matches 221; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 MSAEVIHQVEEALDTDEKEMLLFLCGRDAIVDVVPNVRDLDLILRERKLSVGDLAELLY 60

DB 1 MSAEVIHQVEEALDTDEKEMLLFLCGRDAIVDVVPNVRDLDLILRERKLSVGDLAELLY 60

OY 61 RVRERDLKRLKMDRKAVETHLLRNPHLVSDYRVLMAEIGEDLDKDSVSSLIFLMKDYM 120

Db 61 RVRFDLLKRLKMDKRAVETHLLRNPHLVSDYRVLMAEIGEDLDKSDVSSLIPLMKDYM 120
QY 121 GRGKISKEKSFLLDVVELEKLNVLAPDQDLLEKCLKNHRIHDLTKTKIQYKOSVOGACT 180
Db 121 GRGKISKEKSFLLDVVELEKLNVLAPDQDLLEKCLKNHRIHDLTKTKIQYKOSVOGACT 180
QY 181 SYRNVLOAAIOKSLKDPNSNFRMITPYAHCPDLKILGNCNM 221
Db 181 SYRNVLOAAIOKSLKDPNSNFRMITPYAHCPDLKILGNCNM 221

RESULT 2

US-09-410-194-22
; Sequence 22, Application US/09410194
; Patent No. US20020095030A1
; GENERAL INFORMATION:
; APPLICANT: Tschopp, Jurg
; APPLICANT: Thome, Margot
; APPLICANT: Burns, Kimberly
; APPLICANT: Irmier, Marten
; APPLICANT: Hahne, Michael
; APPLICANT: Schroter, Michael
; APPLICANT: Schneider, Pascal
; APPLICANT: Bodmer, Jean- Luc
; APPLICANT: Steiner, Veronique
; APPLICANT: Rimoldi, Donata
; APPLICANT: Hofmann, Kay
; APPLICANT: French, E. Lais
; TITLE OF INVENTION: FLIP GENES AND FLIP PROTEINS
; FILE REFERENCE: 11141-002001
; CURRENT APPLICATION NUMBER: US/09/410,194
; PRIOR FILING DATE: 1999-09-30
; PRIOR APPLICATION NUMBER: PCT/EP98/01857
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: GERMANY 197 13 393.2
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 22
; LENGTH: 221
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-410-194-22

Query Match 100.0%; Score 1114; DB 10; Length 221;
Best Local Similarity 100.0%; Pred. No. 7.7e-95;
Matches 221; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MSAEVIHQVVEEALDTDEKEMLLFLCRDVAIDVVPVPPNRDLDTLRLRGKLSVGDIAELLY 60
Db 1 MSAEVIHQVVEEALDTDEKEMLLFLCRDVAIDVVPVPPNRDLDTLRLRGKLSVGDIAELLY 60
QY 61 RVRFDLLKRLKMDKRAVETHLLRNPHLVSDYRVLMAEIGEDLDKSDVSSLIPLMKDYM 120
Db 61 RVRFDLLKRLKMDKRAVETHLLRNPHLVSDYRVLMAEIGEDLDKSDVSSLIPLMKDYM 120
QY 121 GRGKISKEKSFLLDVVELEKLNVLAPDQDLLEKCLKNHRIHDLTKTKIQYKOSVOGACT 180
Db 121 GRGKISKEKSFLLDVVELEKLNVLAPDQDLLEKCLKNHRIHDLTKTKIQYKOSVOGACT 180
QY 181 SYRNVLOAAIOKSLKDPNSNFRMITPYAHCPDLKILGNCNM 221
Db 181 SYRNVLOAAIOKSLKDPNSNFRMITPYAHCPDLKILGNCNM 221

RESULT 3

US-09-861-270-2
; Sequence 2, Application US/09861270
; Patent No. US20020052474A1
; GENERAL INFORMATION:
; APPLICANT: Sui, Hong-Bing
; Goeddel, David V.

; TITLE OF INVENTION: Regulators of Apoptosis
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Science & Technology Law Group
; STREET: 75 Denise Drive
; CITY: Hillsborough
; STATE: California
; COUNTRY: USA
; ZIP: 94010
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/861,270
; FILING DATE: 18-May-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/795,088
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Osman, Richard A
; REGISTRATION NUMBER: 36,627
; REFERENCE/DOCKET NUMBER: T97-001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 343-4341
; TELEFAX: (650) 343-4342
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 480 amino acids
; TYPE: amino acid
; STRANDEDNESS: not relevant
; TOPOLOGY: not relevant
; MOLECULE TYPE: peptide
; SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-861-270-2
Query Match 90.4%; Score 1007; DB 10; Length 480;
Best Local Similarity 99.5%; Pred. No. 1.4e-84;
Matches 202; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
QY 1 MSAEVIHQVVEEALDTDEKEMLLFLCRDVAIDVVPVPPNRDLDTLRLRGKLSVGDIAELLY 60
Db 1 MSAEVIHQVVEEALDTDEKEMLLFLCRDVAIDVVPVPPNRDLDTLRLRGKLSVGDIAELLY 60
QY 61 RVRFDLLKRLKMDKRAVETHLLRNPHLVSDYRVLMAEIGEDLDKSDVSSLIPLMKDYM 120
Db 61 RVRFDLLKRLKMDKRAVETHLLRNPHLVSDYRVLMAEIGEDLDKSDVSSLIPLMKDYM 120
QY 121 GRGKISKEKSFLLDVVELEKLNVLAPDQDLLEKCLKNHRIHDLTKTKIQYKOSVOGACT 180
Db 121 GRGKISKEKSFLLDVVELEKLNVLAPDQDLLEKCLKNHRIHDLTKTKIQYKOSVOGACT 180
QY 181 SYRNVLOAAIOKSLKDPNSNFRM 203
Db 181 SYRNVLOAAIOKSLKDPNSNFRM 203
RESULT 4
US-09-410-194-11
; Sequence 11, Application US/09410194
; Patent No. US20020095030A1
; GENERAL INFORMATION:
; APPLICANT: Tschopp, Jurg
; APPLICANT: Thome, Margot
; APPLICANT: Burns, Kimberly
; APPLICANT: Irmier, Marten
; APPLICANT: Hahne, Michael
; APPLICANT: Schroter, Michael
; APPLICANT: Schneider, Pascal
; APPLICANT: Bodmer, Jean- Luc
; APPLICANT: Steiner, Veronique

```

; APPLICANT: Rimoldi, Donata
; APPLICANT: Hofmann, Kay
; APPLICANT: French, E. Lars
; TITLE OF INVENTION: FLIP GENES AND FLIP PROTEINS
; FILE REFERENCE: 11141-002001
; CURRENT APPLICATION NUMBER: US/09/410,194
; CURRENT FILING DATE: 1999-09-30
; PRIOR APPLICATION NUMBER: PCT/EP98/01857
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: GERMANY 197 13 393.2
; PRIOR FILING DATE: 1997-04-01
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 480
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-410-194-11

Query Match 90.4%; Score 1007; DB 10; Length 480;
Best Local Similarity 99.5%; Pred. No. 1.4e-84;
Matches 202; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSAEVIHQVEEALDTDEKEMLLFLCRDVAIDVPPNVRDLDDLRLRERKLSVGDLAELLY 60
DB 1 MSAEVIHQVEEALDTDEKEMLLFLCRDVAIDVPPNVRDLDDLRLRERKLSVGDLAELLY 60

QY 61 RVRREFDLLKRLKMDRKAVETHLLRNPHLVSDYRYVLMAEIGEDLDKSDVSSLIIFLMKDYM 120
DB 61 RVRREFDLLKRLKMDRKAVETHLLRNPHLVSDYRYVLMAEIGEDLDKSDVSSLIIFLMKDYM 120

QY 121 GRGKISKESKSFLLVVELEKLNVLAPDQDLLEKCLKNHRIIDLTKTKOKYKQSVQAGT 180
DB 121 GRGKISKESKSFLLVVELEKLNVLAPDQDLLEKCLKNHRIIDLTKTKOKYKQSVQAGT 180

QY 181 SYRNVLOAAIOKSLKDPSNNFRM 203
DB 181 SYRNVLOAAIOKSLKDPSNNFRM 203

RESULT 5
US-09-410-194-17
; Sequence 17, Application US/09410194
; Patent No. US20020095030A1
; GENERAL INFORMATION:
; APPLICANT: Tschopp, Jurg
; APPLICANT: Thome, Margot
; APPLICANT: Burns, Kimberly
; APPLICANT: Irmeler, Marten
; APPLICANT: Hahne, Michael
; APPLICANT: Schroter, Michael
; APPLICANT: Schneider, Pascal
; APPLICANT: Bodmer, Jean- Luc
; APPLICANT: Steiner, Veronique
; APPLICANT: Rimoldi, Donata
; APPLICANT: Hofmann, Kay
; APPLICANT: French, E. Lars
; TITLE OF INVENTION: FLIP GENES AND FLIP PROTEINS
; FILE REFERENCE: 11141-002001
; CURRENT APPLICATION NUMBER: US/09/410,194
; CURRENT FILING DATE: 1999-09-30
; PRIOR APPLICATION NUMBER: PCT/EP98/01857
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: GERMANY 197 13 393.2
; PRIOR FILING DATE: 1997-04-01
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 17
; LENGTH: 480
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-410-194-17
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Query Match 90.4%; Score 1007; DB 10; Length 480;
Best Local Similarity 99.5%; Pred. No. 1.4e-84;
Matches 202; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSAEVIHQVEEALDTDEKEMLLFLCRDVAIDVPPNVRDLDDLRLRERKLSVGDLAELLY 60
DB 1 MSAEVIHQVEEALDTDEKEMLLFLCRDVAIDVPPNVRDLDDLRLRERKLSVGDLAELLY 60

QY 61 RVRREFDLLKRLKMDRKAVETHLLRNPHLVSDYRYVLMAEIGEDLDKSDVSSLIIFLMKDYM 120
DB 61 RVRREFDLLKRLKMDRKAVETHLLRNPHLVSDYRYVLMAEIGEDLDKSDVSSLIIFLMKDYM 120

QY 121 GRGKISKESKSFLLVVELEKLNVLAPDQDLLEKCLKNHRIIDLTKTKOKYKQSVQAGT 180
DB 121 GRGKISKESKSFLLVVELEKLNVLAPDQDLLEKCLKNHRIIDLTKTKOKYKQSVQAGT 180

QY 181 SYRNVLOAAIOKSLKDPSNNFRM 203
DB 181 SYRNVLOAAIOKSLKDPSNNFRM 203

RESULT 6
US-09-410-194-12
; Sequence 12, Application US/09410194
; Patent No. US20020095030A1
; GENERAL INFORMATION:
; APPLICANT: Tschopp, Jurg
; APPLICANT: Thome, Margot
; APPLICANT: Burns, Kimberly
; APPLICANT: Irmeler, Marten
; APPLICANT: Hahne, Michael
; APPLICANT: Schroter, Michael
; APPLICANT: Schneider, Pascal
; APPLICANT: Bodmer, Jean- Luc
; APPLICANT: Steiner, Veronique
; APPLICANT: Rimoldi, Donata
; APPLICANT: Hofmann, Kay
; APPLICANT: French, E. Lars
; TITLE OF INVENTION: FLIP GENES AND FLIP PROTEINS
; FILE REFERENCE: 11141-002001
; CURRENT APPLICATION NUMBER: US/09/410,194
; CURRENT FILING DATE: 1999-09-30
; PRIOR APPLICATION NUMBER: PCT/EP98/01857
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: GERMANY 197 13 393.2
; PRIOR FILING DATE: 1997-04-01
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12
; LENGTH: 481
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-410-194-12

Query Match 64.0%; Score 713; DB 10; Length 481;
Best Local Similarity 74.5%; Pred. No. 1.3e-57;
Matches 146; Conservative 19; Mismatches 29; Indels 2; Gaps 2;

QY 1 MSAEVIHQVEEALDTDEKEMLLFLCRDVAIDVPPNVRDLDDLRLRERKLSVGDLAELLY 60
DB 6 VSAEVIHQVEECLDEKEMMLFLCRDVTENLAAPNVRDLDSLRSGLSFPATLAELLY 65

QY 61 RVRREFDLLKRLKMDRKAVETHLLRNPHLVSDYRYVLMAEIGEDLDKSDVSSLIIFLMKDYM 120
DB 66 RVRREFDLLKRLKMDRKATVDHRLRNPHLVSDYRYVLLAEIGESLDQNDVSSLVFLTRDYT 125

QY 121 GRGKISKESKSFLLVVELEKLNVLAPDQDLLEKCLKNHRIIDLTKTKOKYKQSVQAGT 180
DB 126 GRGKTAKDKSFLDLVVELEKLNLIASDQNLLEKCLKNHRIIDLTKTKOKYQSSOGA-R 184

QY 181 SYRNVLOAAIOK-SLK 195
DB 185 SNMNTLOASLPKLSIK 200
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RESULT 7

US-09-410-194-19

; Sequence 19, Application US/09410194

; Patent No. US20020095030A1

; GENERAL INFORMATION:

; APPLICANT: Tschopp, Jurg

; APPLICANT: Thome, Margot

; APPLICANT: Burns, Kimberly

; APPLICANT: Irmiler, Marten

; APPLICANT: Hahne, Michael

; APPLICANT: Schroter, Michael

; APPLICANT: Schneider, Pascal

; APPLICANT: Bodmer, Jean-Luc

; APPLICANT: Steiner, Veronique

; APPLICANT: Rimoldi, Donata

; APPLICANT: Hofmann, Kay

; APPLICANT: French, E. Lars

; TITLE OF INVENTION: FLIP GENES AND FLIP PROTEINS

; FILE REFERENCE: 11141-002001

; CURRENT APPLICATION NUMBER: US/09/410,194

; CURRENT FILING DATE: 1999-09-30

; PRIOR APPLICATION NUMBER: PCT/EP98/01857

; PRIOR FILING DATE: 1998-03-31

; PRIOR APPLICATION NUMBER: GERMANY 197 13 393.2

; PRIOR FILING DATE: 1997-04-01

; NUMBER OF SEQ ID NOS: 27

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 19

; LENGTH: 481

; TYPE: PRT

; ORGANISM: Mus musculus

US-09-410-194-19

Query Match 64.0%; Score 713; DB 10; Length 481;
Best Local Similarity 74.5%; Pred. No. 1.3e-57;
Matches 146; Conservative 19; Mismatches 29; Indels 2; Gaps 2;

QY 1 MSAEVIHQVEEALDTEKEMLLFLCRDVAIDVPPNVRLLDLRLRGRKLSVGDIAELLY 60

DB 6 VSAEVIHQVEECLDEDEKEMLLFLCRDVTENLAAPNVRLLDLSERGLSFGATLAELLY 65

QY 61 RVRRFDLLKRLKMDKAVETHLLRNPHLVSDYRVLMMAETGEDLDKSDVSSLIPL--MK 120

DB 66 RVRRFDLLKRLKMDKAVETHLLRNPHLVSDYRVLMMAETGEDLDKSDVSSLIPL--MK 125

QY 121 GRGKISKESFLLDVVELEKLNIVAPDQLDLEKLNHRIIDLTNKTQKYKQSVGAGT 180

DB 126 GRGKIAKDSFLLDVVELEKLNIVAPDQLDLEKLNHRIIDLTNKTQKYKQSVGAGT 184

QY 181 SYRNVLOAAIOLK-SLK 195

DB 185 SNMNTLOASLPKLSIK 200

RESULT 8

US-10-005-921-2

; Sequence 2, Application US/10005921

; Patent No. US20020174450A1

; GENERAL INFORMATION:

; APPLICANT: Allen, Keith D.

; APPLICANT: Leviten, Michael W.

; TITLE OF INVENTION: TRANSGENIC MICE CONTAINING CASH GENE

; FILE REFERENCE: R-714

; CURRENT APPLICATION NUMBER: US/10/005,921

; CURRENT FILING DATE: 2001-12-04

; PRIOR APPLICATION NUMBER: US 60/254,902

; PRIOR FILING DATE: 2000-12-11

; NUMBER OF SEQ ID NOS: 4

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 2

; LENGTH: 484

; TYPE: PRT

; ORGANISM: Mus musculus

US-10-005-921-2

Query Match 63.0%; Score 701.5; DB 9; Length 484;
Best Local Similarity 73.4%; Pred. No. 1.4e-56;
Matches 146; Conservative 19; Mismatches 29; Indels 5; Gaps 3;

QY 1 MSAEVIHQVEEALDTEKEMLLFLCRDVAIDVPPNVRLLDLRLRGRKLSVGDIAELLY 60

DB 6 VSAEVIHQVEECLDEDEKEMLLFLCRDVTENLAAPNVRLLDLSERGLSFGATLAELLY 65

QY 61 RVRRFDLLKRLKMDKAVETHLLRNPHLVSDYRVLMMAETGEDLDKSDVSSLIPL--MK 117

DB 66 RVRRFDLLKRLKMDKAVETHLLRNPHLVSDYRVLMMAETGEDLDKSDVSSLIPL--MK 125

QY 118 DYMGKISKESFLLDVVELEKLNIVAPDQLDLEKLNHRIIDLTNKTQKYKQSVG 177

DB 126 DYMGKIAKDSFLLDVVELEKLNIVAPDQLDLEKLNHRIIDLTNKTQKYKQSVG 185

QY 178 ACTSYRNVLOAAIOLK-SLK 195

DB 186 A-RSNMNTLOASLPKLSIK 203

RESULT 9

US-09-864-761-36370

; Sequence 36370, Application US/09864761

; Patent No. US20020048763A1

; GENERAL INFORMATION:

; APPLICANT: Penn, Sharon G.

; APPLICANT: Rank, David R.

; APPLICANT: Hanzel, David K.

; APPLICANT: Chen, Wensheng

; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL

; FILE REFERENCE: Aemica-X-1

; CURRENT APPLICATION NUMBER: US/09/864,761

; CURRENT FILING DATE: 2001-05-23

; PRIOR APPLICATION NUMBER: US 60/180,312

; PRIOR FILING DATE: 2000-02-04

; PRIOR APPLICATION NUMBER: US 60/207,456

; PRIOR FILING DATE: 2000-05-26

; PRIOR APPLICATION NUMBER: US 09/632,366

; PRIOR FILING DATE: 2000-08-03

; PRIOR APPLICATION NUMBER: GB 24263.6

; PRIOR FILING DATE: 2000-10-04

; PRIOR APPLICATION NUMBER: US 60/236,359

; PRIOR FILING DATE: 2000-09-27

; PRIOR APPLICATION NUMBER: PCT/US01/00666

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00667

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00664

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00669

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00665

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00668

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00663

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00662

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00661

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00670

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: US 60/234,687

; PRIOR FILING DATE: 2000-09-21

; PRIOR APPLICATION NUMBER: US 09/608,408


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Matches 57; Conservative 45; Mismatches 66; Indels 8; Gaps
Qy 1 MSAEVTHQVEALDDEKEMLLFLCRDAIDVVPPNVRDL---LDLTRERKGLSVGDLA 57
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 2 VTRDVLIAETHLQNQEKTFVMYFLD---PYIPKECKDFLPTELNHLSKRRIYPILIE 58
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Qy 58 LLYVRFRDLLKRLKMDRKAVETHLLRNP-HLVSDYRYVLMAEIGEDLDKSDVSSLIFLM 116
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 59 LMVILQRFOLLRSIFLLDHRFVKDQITSSHWKYISPYKQLIFSIGNDDEDLISIKFTS 118
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Qy 117 KDYMGKGIKSKESFELDVLVELEKLNLVAPDQLDLLEKCLKNHRTDLTKTIQYK 172
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 119 MNVIGKSP-SKIRNYLDWRALEKVDVMPGNDLDFETTFKQIHRMDIVKMIKNYR 173
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :

RESULT 11
US-09-410-194-4
; Sequence 4, Application US/09410194
; Patent No. US20020095030A1
; GENERAL INFORMATION:
; APPLICANT: Tschoopp, Jurg
; APPLICANT: Thome, Margot
; APPLICANT: Burns, Kimberly
; APPLICANT: Irmeler, Marten
; APPLICANT: Hahne, Michael
; APPLICANT: Schroter, Michael
; APPLICANT: Schneider, Pascal
; APPLICANT: Bodmer, Jean- Luc
; APPLICANT: Steiner, Veronique
; APPLICANT: Rimoldi, Donata
; APPLICANT: Hofmann, Kay
; APPLICANT: French, E. Lars
; TITLE OF INVENTION: FLIP GENES AND FLIP PROTEINS
; FILE REFERENCE: 11141-002001
; CURRENT APPLICATION NUMBER: US/09/410,194
; CURRENT FILING DATE: 1999-09-30
; PRIOR APPLICATION NUMBER: PCT/EP98/01857
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: GERMANY 197 13 393.2
; PRIOR FILING DATE: 1997-04-01
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: FastSeq for Windows version 4.0
; SEQ ID NO 4
; LENGTH: 171
; TYPE: PRT
; ORGANISM: Bovines herpesvirus 4
US-09-410-194-4

Query Match 21.5%; Score 239; DB 10; Length 171;
Best Local Similarity 32.4%; Pred. No. 1e-14;
Matches 56; Conservative 44; Mismatches 65; Indels 8; Gaps
Qy 1 MSAEVTHQVEALDDEKEMLLFLCRDAIDVVPPNVRDL---LDLTRERKGLSVGDLA 57
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 2 VTRDVLIAETHLQNQEKTFVMYFLD---PYIPKECKDFLPTELNHLSKRRIYPILIE 58
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Qy 58 LLYVRFRDLLKRLKMDRKAVETHLLRNP-HLVSDYRYVLMAEIGEDLDKSDVSSLIFLM 116
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 59 LMVILQRFOLLRSIFLLDHRFVKDQITSSHWKYISPYKQLIFSIGNDDEDLISIKFTS 118
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Qy 117 KDYMGKGIKSKESFELDVLVELEKLNLVAPDQLDLLEKCLKNHRTDLTKTIQ 169
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 119 MNVIGKSP-SKIRNYLDWRALEKVDVMPGNDLDFETTFKQIHRMDIVKMIK 170
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :

RESULT 12
US-09-410-194-2
; Sequence 2, Application US/09410194
; Patent No. US20020095030A1
; GENERAL INFORMATION:
; APPLICANT: Tschoopp, Jurg
; APPLICANT: Thome, Margot
; APPLICANT: Burns, Kimberly

```

```

; APPLICANT: Irmier, Marten
; APPLICANT: Hahne, Michael
; APPLICANT: Schroter, Michael
; APPLICANT: Schneider, Pascal
; APPLICANT: Bodmer, Jean- Luc
; APPLICANT: Steiner, Veronique
; APPLICANT: Rimoldi, Donata
; APPLICANT: Hofmann, Key
; APPLICANT: French, E. Lars
; TITLE OF INVENTION: FLIP GENES AND FLIP PROTEINS
; FILE REFERENCE: 11141-002001
; CURRENT APPLICATION NUMBER: US/09/410,194
; CURRENT FILING DATE: 1999-09-30
; PRIOR APPLICATION NUMBER: PCT/EP98/01857
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: GERMANY 197 13 393.2
; PRIOR FILING DATE: 1997-04-01
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 169
; TYPE: PRT
; ORGANISM: Humanes herpesvirus 8
; US-09-410-194-2
;
Query Match      21.0%; Score 234; DB 10; Length 169;
Best Local Similarity 34.3%; Pred. No. 2.9e-14;
Matches 58; Conservative 39; Mismatches 64; Indels 8; Gaps 3;
;
QY 4 EVTHOVEEALDTDEKEMLLFLCRDVAIDVVPNNVRDLDTLR---ERGKLSVGDLAELLY 60
Db 5 EVLCEVARKLGTDDREVLF---LNVFIPQPTLAQIGALRAKKEGRUTFPFLAECLF 61
;
QY 61 RVRRFDLLKRLKMDRKAVETHLLRNPHLVSDYRVLMAEIGEDLDKSDVSSLIFLMKDYM 120
Db 62 RAGRRDLLRLDLHPREFLERHLAGTMSYFSPYQLTVLHVGDGELCARDIRSLFLSKDTI 121
;
QY 121 GRCKISKESFDLVVVELEKLNVLVAPDQDLLEKCKLNKTHRIDLKTKIQ 169
Db 122 --GSRSTPOTFLHWYCMENLDLGGTVDVDMLSMLRSRVDLQROVQ 168
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RESULT 14
US-09-410-194-5
; Sequence 5, Application US/09410194
; Patent No. US20020095030A1
; GENERAL INFORMATION:
; APPLICANT: Tschopp, Jurg
; APPLICANT: Thome, Margot
; APPLICANT: Burns, Kimberly
; APPLICANT: Irmier, Marten
; APPLICANT: Hahne, Michael
; APPLICANT: Schroter, Michael
; APPLICANT: Schneider, Pascal
; APPLICANT: Bodmer, Jean- Luc
; APPLICANT: Steiner, Veronique
; APPLICANT: Rimoldi, Donata
; APPLICANT: Hofmann, Key
; APPLICANT: French, E. Lars
; TITLE OF INVENTION: FLIP GENES AND FLIP PROTEINS
; FILE REFERENCE: 11141-002001
; CURRENT APPLICATION NUMBER: US/09/410,194
; CURRENT FILING DATE: 1999-09-30
; PRIOR APPLICATION NUMBER: PCT/EP98/01857
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: GERMANY 197 13 393.2
; PRIOR FILING DATE: 1997-04-01
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 169
; TYPE: PRT
; ORGANISM: Molluscum contagiosum virus subtype 1
; US-09-410-194-5
;
Query Match      17.8%; Score 198.5; DB 10; Length 169;
Best Local Similarity 33.5%; Pred. No. 5.2e-11;
Matches 54; Conservative 35; Mismatches 63; Indels 9; Gaps 6;
;
QY 7 HOVEEALDTDEKEMLLFLCRDVAIDVVPNNVRDLDTLRERCKLSVGDLAELLYVRRED 66
Db 9 HLLLEE-LDSHEDSLLLFLCHDAAPGCT--TVTQALCSLQQRKLTLAALVEMLYLVLRMD 65
;
QY 67 LLKRLKMDRKAVETHLLRNPHLVSDYRVLMAEIGEDLDKSDVSSL-IFL--MKDYMG 123
Db 66 LLASRFLSKESGAEQ--LLGTSELTTRYKLMVCVGEELDSSELRALRLFACNLNPSLSTA 123
;
QY 124 KISKESFDLVVVELEKLNVLVAPDQDLLEKCKLNKTHRIDL 164
Db 124 -LSESSRFVELVLALENVGLVSPSSVSLADMLRLTLRLD 163
;
RESULT 15
US-09-410-194-20
; Sequence 20, Application US/09410194
; Patent No. US20020095030A1
;
Query Match      21.0%; Score 234; DB 10; Length 169;
Best Local Similarity 34.3%; Pred. No. 2.9e-14;
Matches 58; Conservative 39; Mismatches 64; Indels 8; Gaps 3;
;
QY 4 EVTHOVEEALDTDEKEMLLFLCRDVAIDVVPNNVRDLDTLR---ERGKLSVGDLAELLY 60
Db 5 EVLCEVARKLGTDDREVLF---LNVFIPQPTLAQIGALRAKKEGRUTFPFLAECLF 61
;
QY 61 RVRRFDLLKRLKMDRKAVETHLLRNPHLVSDYRVLMAEIGEDLDKSDVSSLIFLMKDYM 120
Db 62 RAGRRDLLRLDLHPREFLERHLAGTMSYFSPYQLTVLHVGDGELCARDIRSLFLSKDTI 121
;
QY 121 GRCKISKESFDLVVVELEKLNVLVAPDQDLLEKCKLNKTHRIDLKTKIQ 169
Db 122 --GSRSTPOTFLHWYCMENLDLGGTVDVDMLSMLRSRVDLQROVQ 168
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RESULT 13
US-09-410-194-23
; Sequence 23, Application US/09410194
; Patent No. US20020095030A1
; GENERAL INFORMATION:
; APPLICANT: Tschopp, Jurg
; APPLICANT: Thome, Margot
; APPLICANT: Burns, Kimberly
; APPLICANT: Irmier, Marten
; APPLICANT: Hahne, Michael
; APPLICANT: Schroter, Michael
; APPLICANT: Schneider, Pascal
; APPLICANT: Bodmer, Jean- Luc
; APPLICANT: Steiner, Veronique
; APPLICANT: Rimoldi, Donata
; APPLICANT: Hofmann, Key
; APPLICANT: French, E. Lars
; TITLE OF INVENTION: FLIP GENES AND FLIP PROTEINS
; FILE REFERENCE: 11141-002001
; CURRENT APPLICATION NUMBER: US/09/410,194
; CURRENT FILING DATE: 1999-09-30
; PRIOR APPLICATION NUMBER: PCT/EP98/01857
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: GERMANY 197 13 393.2
; PRIOR FILING DATE: 1997-04-01
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 23
; LENGTH: 188
; TYPE: PRT
; ORGANISM: Human herpesvirus 8
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US-09-410-194-23
Query Match      21.0%; Score 234; DB 10; Length 188;
Best Local Similarity 34.3%; Pred. No. 3.3e-14;
Matches 58; Conservative 39; Mismatches 64; Indels 8; Gaps 3;
;
QY 4 EVTHOVEEALDTDEKEMLLFLCRDVAIDVVPNNVRDLDTLR---ERGKLSVGDLAELLY 60
Db 5 EVLCEVARKLGTDDREVLF---LNVFIPQPTLAQIGALRAKKEGRUTFPFLAECLF 61
;
QY 61 RVRRFDLLKRLKMDRKAVETHLLRNPHLVSDYRVLMAEIGEDLDKSDVSSLIFLMKDYM 120
Db 62 RAGRRDLLRLDLHPREFLERHLAGTMSYFSPYQLTVLHVGDGELCARDIRSLFLSKDTI 121
;
QY 121 GRCKISKESFDLVVVELEKLNVLVAPDQDLLEKCKLNKTHRIDLKTKIQ 169
Db 122 --GSRSTPOTFLHWYCMENLDLGGTVDVDMLSMLRSRVDLQROVQ 168
;
RESULT 14
US-09-410-194-5
; Sequence 5, Application US/09410194
; Patent No. US20020095030A1
; GENERAL INFORMATION:
; APPLICANT: Tschopp, Jurg
; APPLICANT: Thome, Margot
; APPLICANT: Burns, Kimberly
; APPLICANT: Irmier, Marten
; APPLICANT: Hahne, Michael
; APPLICANT: Schroter, Michael
; APPLICANT: Schneider, Pascal
; APPLICANT: Bodmer, Jean- Luc
; APPLICANT: Steiner, Veronique
; APPLICANT: Rimoldi, Donata
; APPLICANT: Hofmann, Key
; APPLICANT: French, E. Lars
; TITLE OF INVENTION: FLIP GENES AND FLIP PROTEINS
; FILE REFERENCE: 11141-002001
; CURRENT APPLICATION NUMBER: US/09/410,194
; CURRENT FILING DATE: 1999-09-30
; PRIOR APPLICATION NUMBER: PCT/EP98/01857
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: GERMANY 197 13 393.2
; PRIOR FILING DATE: 1997-04-01
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 169
; TYPE: PRT
; ORGANISM: Molluscum contagiosum virus subtype 1
; US-09-410-194-5
;
Query Match      17.8%; Score 198.5; DB 10; Length 169;
Best Local Similarity 33.5%; Pred. No. 5.2e-11;
Matches 54; Conservative 35; Mismatches 63; Indels 9; Gaps 6;
;
QY 7 HOVEEALDTDEKEMLLFLCRDVAIDVVPNNVRDLDTLRERCKLSVGDLAELLYVRRED 66
Db 9 HLLLEE-LDSHEDSLLLFLCHDAAPGCT--TVTQALCSLQQRKLTLAALVEMLYLVLRMD 65
;
QY 67 LLKRLKMDRKAVETHLLRNPHLVSDYRVLMAEIGEDLDKSDVSSL-IFL--MKDYMG 123
Db 66 LLASRFLSKESGAEQ--LLGTSELTTRYKLMVCVGEELDSSELRALRLFACNLNPSLSTA 123
;
QY 124 KISKESFDLVVVELEKLNVLVAPDQDLLEKCKLNKTHRIDL 164
Db 124 -LSESSRFVELVLALENVGLVSPSSVSLADMLRLTLRLD 163
;
RESULT 15
US-09-410-194-20
; Sequence 20, Application US/09410194
; Patent No. US20020095030A1
;

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GENERAL INFORMATION:
APPLICANT: Tschopp, Jurg
APPLICANT: Thome, Margot
APPLICANT: Burns, Kimberly
APPLICANT: Irmeler, Marten
APPLICANT: Hahne, Michael
APPLICANT: Schroter, Michael
APPLICANT: Schneider, Pascal
APPLICANT: Bodmer, Jean- Luc
APPLICANT: Steiner, Veronique
APPLICANT: Rimoldi, Donata
APPLICANT: Hofmann, Kay
APPLICANT: French, E. Lars
TITLE OF INVENTION: FLIP GENES AND FLIP PROTEINS
FILE REFERENCE: 11141-002001
CURRENT APPLICATION NUMBER: US/09/410,194
CURRENT FILING DATE: 1999-09-30
PRIOR APPLICATION NUMBER: PCT/EP98/01857
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: GERMANY 197 13 393.2
PRIOR FILING DATE: 1997-04-01
NUMBER OF SEQ ID NOS: 27
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 20
LENGTH: 479
TYPE: PRT
ORGANISM: Homo sapiens
US-09-410-194-20

Query Match 17.3%; Score 192.5; DB 10; Length 479;
Best Local Similarity 26.8%; Pred. No. 6.9e-10;
Matches 53; Conservative 56; Mismatches 64; Indels 25; Gaps 8;
QY 6 IHQVEEALDTDEKEMLLFLCRDVAIDVVPNN---VRDLDDI---LRERKGLSVGDLA-- 56
Db : : | : : : | : : : | : : : | : : : | : : : | : : : | : : : | : : :
7 LYDIGEQLDSEDLASLKFL---SLDYTPQRKQEPKDKALMLFORLQEKRMLEESNLSFL 62
QY 57 -ELLYRVRRFDLLKRLKMDRKAVETHLLRNP--HLVSDYRVLMAEIGEDLDKSDVSSLI 113
Db : : : | : : : | : : : | : : : | : : : | : : : | : : : | : : : | : : :
63 KELLFRINRLDLLITLNTLRKEEMERE-LQTFGQAQISAYRVMLYQISEEVSRSLSLRSFK 121
QY 114 FLMKDYMGRKTSKESFLLDVVELEKLNLVAPDDLLLEKCLKNHRIIDLKTKIOKYKO 173
Db :
122 FLQEEISKCKLDDDDNNLLDIFIEMEKRVILGEGKLDILKRVCAQINKSLKI-INDYEE 180
QY 174 -----SVQAGAGTSYRN 184
Db :
181 FSKERSSSLEGSDFSN 198

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Job time : 11.7732 secs

GenCore version 5.1.4_p5_4578
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OM protein - protein search, using sw model

Run on: April 12, 2003, 20:50:13 ; Search time 9.14265 Seconds
(without alignments)
711.223 Million cell updates/sec

Title: US-09-380-546A-4
Perfect score: 1114
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Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

- Database : Issued Patents:AA:*
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2: /cgn2_6/ptodata/1/1aa/5B_COMB.pep:*
3: /cgn2_6/ptodata/1/1aa/6A_COMB.pep:*
4: /cgn2_6/ptodata/1/1aa/6B_COMB.pep:*
5: /cgn2_6/ptodata/1/1aa/PTUS_COMB.pep:*
6: /cgn2_6/ptodata/1/1aa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Match	Length	DB ID	Description
1	1114	100.0	221	4	US-09-382-155-17
2	1114	100.0	221	4	US-09-074-044A-17
3	1015	91.1	445	3	US-08-859-167-2
4	1015	91.1	445	3	US-09-109-273-2
5	1015	91.1	445	4	US-09-276-993-2
6	1007	90.4	480	4	US-08-795-088A-2
7	987	88.6	480	4	US-09-069-023-34
8	417	37.4	84	4	US-09-074-044A-2
9	403	36.2	84	4	US-09-382-155-2
10	384	34.5	78	4	US-09-382-155-1
11	384	34.5	78	4	US-09-074-044A-1
12	218.5	19.6	241	4	US-09-382-155-21
13	218.5	19.6	241	4	US-09-074-044A-21
14	195	17.5	220	2	US-08-807-200-2
15	195	17.5	220	4	US-09-001-777-2
16	192.5	17.3	235	4	US-08-983-502-5
17	192.5	17.3	235	5	PCT-US96-10521-5
18	192.5	17.3	257	1	US-08-618-164-2
19	192.5	17.3	277	4	US-08-983-502-8
20	192.5	17.3	277	5	PCT-US96-10521-8
	192.5	17.3	479	2	US-08-807-200-12
	192.5	17.3	479	3	US-08-852-782-3
	192.5	17.3	479	4	US-09-001-777-12
	192.5	17.3	479	4	US-08-983-502-7
	192.5	17.3	479	5	PCT-US96-10521-7
	192.5	17.3	261	4	US-08-983-502-25
	192.5	17.3	261	5	PCT-US96-10521-25

Sub

28	190	17.1	464	4	US-08-983-502-18	Sequence 18, Appl
29	190	17.1	464	5	PCT-US96-10521-18	Sequence 18, Appl
30	187.5	16.8	479	4	US-09-382-155-28	Sequence 28, Appl
31	187.5	16.8	479	4	US-09-074-044A-27	Sequence 27, Appl
32	187.5	16.8	479	4	US-09-074-044A-28	Sequence 28, Appl
33	187	16.8	180	4	US-09-382-155-18	Sequence 18, Appl
34	187	16.8	180	4	US-09-074-044A-18	Sequence 18, Appl
35	184.5	16.6	479	4	US-09-074-044A-26	Sequence 26, Appl
36	182.5	16.4	479	4	US-09-382-155-27	Sequence 27, Appl
37	176.5	15.8	479	4	US-09-382-155-26	Sequence 26, Appl
38	173	15.5	139	4	US-09-382-155-20	Sequence 20, Appl
39	173	15.5	139	4	US-09-074-044A-20	Sequence 20, Appl
40	170.5	15.3	171	4	US-09-074-044A-23	Sequence 23, Appl
41	170.5	15.3	250	4	US-09-187-789-48	Sequence 48, Appl
42	170.5	15.3	250	4	US-09-139-600-43	Sequence 43, Appl
43	168.5	15.1	171	4	US-09-382-155-23	Sequence 23, Appl
44	168	15.1	476	4	US-09-561-756-27	Sequence 27, Appl
45	168	15.1	476	4	US-09-227-721-27	Sequence 27, Appl

ALIGNMENTS

RESULT 1
US-09-382-155-17
; Sequence 17, Application US/09382155B
; Patent No. 6160095
; GENERAL INFORMATION:
; APPLICANT: CHAUDHARY, PREET M
; APPLICANT: HOOD, LEROY
; TITLE OF INVENTION: PROTEINS CAPABLE OF REGULATING NF-kB, JNK AND APOPTOSIS
; FILE OF INVENTION: PATHWAYS AND METHODS OF USING THE SAME
; FILE REFERENCE: Chaudhary
; CURRENT APPLICATION NUMBER: US/09/382.155B
; CURRENT FILING DATE: 1999-08-24
; EARLIER APPLICATION NUMBER: 09/074,044
; EARLIER FILING DATE: 1998-05-07
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 17
; LENGTH: 221
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-382-155-17

Query Match	100.0%	Score 1114;	DB 4;	Length 221;
Best Local Similarity	100.0%	Pred. No. 6.8e-105;		
Matches 221;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
QY	1	MSAEVIHQVEEALDTDEKEMLLFLCRDVAIDVVPVPPVNRDLDLTLRERKGLSVGDLAELLY	60	
Db	1	MSAEVIHQVEEALDTDEKEMLLFLCRDVAIDVVPVPPVNRDLDLTLRERKGLSVGDLAELLY	60	
QY	61	RVRFPDLKRILKMDRKAVETHLLRNPHLVSDYRVLMAEIGEDLDKSDVSSLIFLMKDYM	120	
Db	61	RVRFPDLKRILKMDRKAVETHLLRNPHLVSDYRVLMAEIGEDLDKSDVSSLIFLMKDYM	120	
QY	121	GRGKISKESFSLDVLVVELEKLNVPDQDLLEKCLKNHRIHDLTKTKIOYKQSVOCAGT	180	
Db	121	GRGKISKESFSLDVLVVELEKLNVPDQDLLEKCLKNHRIHDLTKTKIOYKQSVOCAGT	180	
QY	181	SYRNVLQAAIQKSLKDPNSNFRMITPTAHCPDLKILGNCM	221	
Db	181	SYRNVLQAAIQKSLKDPNSNFRMITPTAHCPDLKILGNCM	221	

RESULT 2
US-09-074-044A-17
; Sequence 17, Application US/09074044A
; Patent No. 6207458
; GENERAL INFORMATION:
; APPLICANT: CHAUDHARY, PREET M
; APPLICANT: HOOD, LEROY

;; TITLE OF INVENTION: PROTEINS CAPABLE OF REGULATING NK-KB, JNK AND
;; TITLE OF INVENTION: APOPTOSIS PATHWAYS AND METHODS OF USING THE SAME
;; NUMBER OF SEQUENCES: 28
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: HOVEY, WILLIAMS, TIMMONS & COLLINS
;; STREET: 2405 GRAND BLVD., SUITE 400
;; CITY: KANSAS CITY
;; STATE: MISSOURI
;; COUNTRY: USA
;; ZIP: 64108
;;
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.30
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/09/074,044A
;; FILING DATE:
;;
;; CLASSIFICATION: 435
;; ATTORNEY/AGENT INFORMATION:
;; NAME: COLLINS, JOHN M
;; REGISTRATION NUMBER: 26,262
;; REFERENCE/DOCKET NUMBER: 26588
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 816/474-9050
;; TELEFAX: 816/474-9057
;; INFORMATION FOR SEQ ID NO: 17:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 221 amino acids
;; TYPE: amino acid
;; STRANDEDNESS:
;; TOPOLOGY: not relevant
;; MOLECULE TYPE: protein
;; ORIGINAL SOURCE:
;; ORGANISM: Homo sapiens
;;
;; US-09-074-044A-17
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Query Match 100.0%; Score 1114; DB 4; Length 221;
Best Local Similarity 100.0%; Pred. No. 6.8e-105;
Matches 221; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 MSAEVIHQVEEALDTDEKEMLLFLCRDVAIDVPPNVRDLDDLRLRERKLSVSGDLAELLY 60
DB 1 MSAEVIHQVEEALDTDEKEMLLFLCRDVAIDVPPNVRDLDDLRLRERKLSVSGDLAELLY 60
;;
QY 61 RVRFDLLKRLKMDRKAVETHLLRNPHLVSDYRVLMAEIGEDLDKSDVSSLIFLMKDYM 120
DB 61 RVRFDLLKRLKMDRKAVETHLLRNPHLVSDYRVLMAEIGEDLDKSDVSSLIFLMKDYM 120
;;
QY 121 GRGKISKEKSFLLVLEKLNLPVAPDQLLEKLNHRIIDLTKIYKQSVQAGT 180
DB 121 GRGKISKEKSFLLVLEKLNLPVAPDQLLEKLNHRIIDLTKIYKQSVQAGT 180
;;
QY 181 SYRNLQAQIKSLKDPSSNNFRMITPYAHCPDLKILGNCM 221
DB 181 SYRNLQAQIKSLKDPSSNNFRMITPYAHCPDLKILGNCM 221
;;
RESULT 3
US-08-859-167-2
Sequence 2, Application US/08859167
Patent No. 6037461
GENERAL INFORMATION:
APPLICANT: Alnemri, Emad S.
APPLICANT: Fernandez-Alnemri, Teresa
TITLE OF INVENTION: FADD-LIKE ANTI-APOPTOTIC MOLECULES, METHODS OF
TITLE OF INVENTION: USING THE SAME, AND COMPOSITIONS FOR AND METHODS
TITLE OF INVENTION: OF MAKING THE SAME
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: Woodcock, Washburn, Kurtz, Mackiewicz & No. 6037461ris
STREET: One Liberty Place, 46th floor
CITY: Philadelphia
;;
STATE: PA
COUNTRY: USA
ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: WINDOWS
SOFTWARE: WordPerfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/109,273

;; STATE: PA
;; COUNTRY: USA
;; ZIP: 19103
;;
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: WINDOWS
;; SOFTWARE: WordPerfect
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/859,167
;; FILING DATE:
;;
;; CLASSIFICATION: 435
;; ATTORNEY/AGENT INFORMATION:
;; NAME: DeLuca, Mark
;; REGISTRATION NUMBER: 33,229
;; REFERENCE/DOCKET NUMBER: TJU-
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (215) 568-3100
;; TELEFAX: (215) 568-3439
;; INFORMATION FOR SEQ ID NO: 2:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 445 amino acids
;; TYPE: amino acid
;; TOPOLOGY: linear
;; MOLECULE TYPE: protein
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;; US-08-859-167-2
;;
Query Match 91.1%; Score 1015; DB 3; Length 445;
Best Local Similarity 94.5%; Pred. No. 1.8e-94;
Matches 207; Conservative 1; Mismatches 11; Indels 0; Gaps 0;
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QY 1 MSAEVIHQVEEALDTDEKEMLLFLCRDVAIDVPPNVRDLDDLRLRERKLSVSGDLAELLY 60
DB 1 MSAEVIHQVEEALDTDEKEMLLFLCRDVAIDVPPNVRDLDDLRLRERKLSVSGDLAELLY 60
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QY 61 RVRFDLLKRLKMDRKAVETHLLRNPHLVSDYRVLMAEIGEDLDKSDVSSLIFLMKDYM 120
DB 61 RVRFDLLKRLKMDRKAVETHLLRNPHLVSDYRVLMAEIGEDLDKSDVSSLIFLMKDYM 120
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QY 121 GRGKISKEKSFLLVLEKLNLPVAPDQLLEKLNHRIIDLTKIYKQSVQAGT 180
DB 121 GRGKISKEKSFLLVLEKLNLPVAPDQLLEKLNHRIIDLTKIYKQSVQAGT 180
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QY 181 SYRNLQAQIKSLKDPSSNNFRMITPYAHCPDLKILGNC 219
DB 181 SYRNLQAQIKSLKDPSSNNFRMITPYAHCPDLKILGNC 219
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RESULT 4
US-09-109-273-2
Sequence 2, Application US/09109273
Patent No. 6063760
GENERAL INFORMATION:
APPLICANT: Alnemri, Emad S.
APPLICANT: Fernandez-Alnemri, Teresa
TITLE OF INVENTION: FADD-LIKE ANTI-APOPTOTIC MOLECULES, METHODS OF
TITLE OF INVENTION: USING THE SAME, AND COMPOSITIONS FOR AND METHODS
TITLE OF INVENTION: OF MAKING THE SAME
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: Woodcock, Washburn, Kurtz, Mackiewicz & No. 6063760ris
STREET: One Liberty Place, 46th floor
CITY: Philadelphia
;;
STATE: PA
COUNTRY: USA
ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: WINDOWS
SOFTWARE: WordPerfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/109,273

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; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/859,167
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Deluca, Mark
; REGISTRATION NUMBER: 33,229
; REFERENCE/DOCKET NUMBER: TJU-
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (215) 568-3100
; TELEFAX: (215) 568-3439
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 445 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-109-273-2

Query Match          91.1%; Score 1015; DB 3; Length 445;
Best Local Similarity 94.5%; Pred. No. 1.8e-94;
Matches 207; Conservative 1; Mismatches 11; Indels 0; Gaps 0;

QY 1 MSAEVIHQVEEALDTDEKEMLLFLCRDVAIDVVPNNVRDLDDLRLRERKLSVGDLAELLY 60
DB 1 MSAEVIHQVEEALDTDEKEMLLFLCRDVAIDVVPNNVRDLDDLRLRERKLSVGDLAELLY 60
QY 61 RVRFDLLKRLKMDRKAVETHLLRNPHLVSDYRVLMMAEIGEDLDKSDVSSLIFLMDYDYM 120
DB 61 RVRFDLLKRLKMDRKAVETHLLRNPHLVSDYRVLMMAEIGEDLDKSDVSSLIFLMDYDYM 120
QY 121 GRGKISKEKSFLLVVELEKLNVLVAPDQLDLLEKCLKNHRIIDLTKTKIQYKOSVOGAGT 180
DB 121 GRGKISKEKSFLLVVELEKLNVLVAPDQLDLLEKCLKNHRIIDLTKTKIQYKOSVOGAGT 180
QY 181 SYRNVLAQAQKSLKDPSPNNFRMITPYAHCPDLKILGNC 219
DB 181 SYRNVLAQAQKSLKDPSPNNFRSIPEERYKMKSKPLGIC 219

RESULT 5
US-09-276-993-2
; Sequence 2, Application US/09276993
; Patent No. 6207801
; GENERAL INFORMATION:
; APPLICANT: Alnemri, Emad S.
; TITLE OF INVENTION: FADD-LIKE ANTI-APOPTOTIC MOLECULES, METHODS OF
; TITLE OF INVENTION: USING THE SAME, AND COMPOSITIONS FOR AND METHODS
; TITLE OF INVENTION: OF MAKING THE SAME
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Woodcock, Washburn, Kurtz, Mackiewicz & No. 6207801ris
; STREET: One Liberty Place, 46th floor
; CITY: Philadelphia
; STATE: PA
; COUNTRY: USA
; ZIP: 19103
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: WINDOWS
; SOFTWARE: WordPerfect
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/276,993
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/859,167
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Deluca, Mark
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; REGISTRATION NUMBER: 33,229
; REFERENCE/DOCKET NUMBER: TJU-
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (215) 568-3100
; TELEFAX: (215) 568-3439
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 445 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-276-993-2

Query Match          91.1%; Score 1015; DB 4; Length 445;
Best Local Similarity 94.5%; Pred. No. 1.8e-94;
Matches 207; Conservative 1; Mismatches 11; Indels 0; Gaps 0;

QY 1 MSAEVIHQVEEALDTDEKEMLLFLCRDVAIDVVPNNVRDLDDLRLRERKLSVGDLAELLY 60
DB 1 MSAEVIHQVEEALDTDEKEMLLFLCRDVAIDVVPNNVRDLDDLRLRERKLSVGDLAELLY 60
QY 61 RVRFDLLKRLKMDRKAVETHLLRNPHLVSDYRVLMMAEIGEDLDKSDVSSLIFLMDYDYM 120
DB 61 RVRFDLLKRLKMDRKAVETHLLRNPHLVSDYRVLMMAEIGEDLDKSDVSSLIFLMDYDYM 120
QY 121 GRGKISKEKSFLLVVELEKLNVLVAPDQLDLLEKCLKNHRIIDLTKTKIQYKOSVOGAGT 180
DB 121 GRGKISKEKSFLLVVELEKLNVLVAPDQLDLLEKCLKNHRIIDLTKTKIQYKOSVOGAGT 180
QY 181 SYRNVLAQAQKSLKDPSPNNFRMITPYAHCPDLKILGNC 219
DB 181 SYRNVLAQAQKSLKDPSPNNFRSIPEERYKMKSKPLGIC 219

RESULT 6
US-08-795-088A-2
; Sequence 2, Application US/08795088A
; Patent No. 6242569
; GENERAL INFORMATION:
; APPLICANT: Sul, Hong-Bing
; APPLICANT: Goeddel, David V.
; TITLE OF INVENTION: Regulators of Apoptosis
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Science & Technology Law Group
; STREET: 75 Denise Drive
; CITY: Hillsborough
; STATE: California
; COUNTRY: USA
; ZIP: 94010
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/795,088A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Osman, Richard A.
; REGISTRATION NUMBER: 36,627
; REFERENCE/DOCKET NUMBER: T97-001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 343-4341
; TELEFAX: (650) 343-4342
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 480 amino acids
; TYPE: amino acid
; STRANDEDNESS: not relevant
; TOPOLOGY: not relevant
; MOLECULE TYPE: peptide
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US-08-795-088A-2

Query Match 90.4%; Score 1007; DB 4; Length 480;
Best Local Similarity 99.5%; Pred. No. 1.3e-93;
Matches 202; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MSAEVIHQVEEALDTDEKEMLLFLCRDVAIDVPPNVRDLDDLRLRERKLSVGDLAELLY 60
Db 1 MSAEVIHQVEEALDTDEKEMLLFLCRDVAIDVPPNVRDLDDLRLRERKLSVGDLAELLY 60
Qy 61 RVRFDLLKRLKMDRKAVETHLLRNPHLVSDYRVLMAEIGEDLDKSDVSSLIPLMKDYM 120
Db 61 RVRFDLLKRLKMDRKAVETHLLRNPHLVSDYRVLMAEIGEDLDKSDVSSLIPLMKDYM 120
Qy 121 GRGKISKEKSFLLVVELEKLNVLAPDQLLEKLNHRIIDLTKIKYKQSVQAGT 180
Db 121 GRGKISKEKSFLLVVELEKLNVLAPDQLLEKLNHRIIDLTKIKYKQSVQAGT 180
Qy 181 SYRNVLQAAIQKSLKDPSSNFRM 203
Db 181 SYRNVLQAAIQKSLKDPSSNFRM 203

RESULT 7

US-09-069-023-34
Sequence 34, Application US/09069023A
Patent No. 6348573
GENERAL INFORMATION:
APPLICANT: Nunez, Gabriel
APPLICANT: Inohara, Naohiro
APPLICANT: Koseki, Takeyoshi
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR IDENTIFYING APOPTOSIS
TITLE OF INVENTION: SIGNALING PATHWAY INHIBITORS AND ACTIVATORS
FILE REFERENCE: UN-03333
CURRENT APPLICATION NUMBER: US/09/069,023A
CURRENT FILING DATE: 1998-04-27
NUMBER OF SEQ ID NOS: 38
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 34
LENGTH: 480
TYPE: PRT
ORGANISM: Homo sapiens
US-09-069-023-34

Query Match 88.6%; Score 987; DB 4; Length 480;
Best Local Similarity 98.0%; Pred. No. 1.3e-91;
Matches 199; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

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Db 1 MSAEVIHQVEEALDTDEKEMLLFLCRDVAIDVPPNVRDLDDLRLRERKLSVGDLAELLY 60
Qy 61 RVRFDLLKRLKMDRKAVETHLLRNPHLVSDYRVLMAEIGEDLDKSDVSSLIPLMKDYM 120
Db 61 RVRFDLLKRLKMDRKAVETHLLRNPHLVSDYRVLMAEIGEDLDKSDVSSLIPLMKDYM 120
Qy 121 GRGKISKEKSFLLVVELEKLNVLAPDQLLEKLNHRIIDLTKIKYKQSVQAGT 180
Db 121 GRGKISKEKSFLLVVELEKLNVLAPDQLLEKLNHRIIDLTKIKYKQSVQAGT 180
Qy 181 SYRNVLQAAIQKSLKDPSSNFRM 203
Db 181 SYRNVLQAAIQKSLKDPSSNFRM 203

RESULT 8

US-09-074-044A-2
Sequence 2, Application US/09074044A
Patent No. 6207458
GENERAL INFORMATION:
APPLICANT: CHAUDHARY, PREET M
APPLICANT: HOOD, LEROY
TITLE OF INVENTION: PROTEINS CAPABLE OF REGULATING NK-KB, JNK AND APOPTOSIS

TITLE OF INVENTION: APOPTOSIS PATHWAYS AND METHODS OF USING THE SAME
NUMBER OF SEQUENCES: 28
CORRESPONDENCE ADDRESS:
ADDRESSEE: HOVEY, WILLIAMS, TIMMONS & COLLINS
STREET: 2405 GRAND BLVD., SUITE 400
CITY: KANSAS CITY
STATE: MISSOURI
COUNTRY: USA
ZIP: 64108
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/074,044A
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: COLLINS, JOHN M
REGISTRATION NUMBER: 26,262
REFERENCE/DOCKET NUMBER: 26588
TELECOMMUNICATION INFORMATION:
TELEPHONE: 816/474-9050
TELEFAX: 816/474-9057
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 84 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: not relevant
MOLECULE TYPE: protein
FRAGMENT TYPE: internal
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
US-09-074-044A-2

Query Match 37.4%; Score 417; DB 4; Length 84;
Best Local Similarity 100.0%; Pred. No. 4.6e-35;
Matches 84; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 90 VSDYRVLMAEIGEDLDKSDVSSLIPLMKDYMGRGKISKEKSFLLVVELEKLNVLAPDQL 149
Db 1 VSDYRVLMAEIGEDLDKSDVSSLIPLMKDYMGRGKISKEKSFLLVVELEKLNVLAPDQL 60
Qy 150 DLLEKCLKNHRIIDLTKIKYKQ 173
Db 61 DLLEKCLKNHRIIDLTKIKYKQ 84

RESULT 9

US-09-382-155-2
Sequence 2, Application US/09382155B
Patent No. 6160095
GENERAL INFORMATION:
APPLICANT: CHAUDHARY, PREET M
APPLICANT: HOOD, LEROY
TITLE OF INVENTION: PROTEINS CAPABLE OF REGULATING NF-KB, JNK AND APOPTOSIS
FILE REFERENCE: Chaudhary
CURRENT APPLICATION NUMBER: US/09/382,155B
CURRENT FILING DATE: 1999-08-24
EARLIER APPLICATION NUMBER: 09/074,044
EARLIER FILING DATE: 1998-05-07
NUMBER OF SEQ ID NOS: 40
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 2
LENGTH: 84
TYPE: PRT
ORGANISM: HUMAN HERPESVIRUS 8
US-09-382-155-2

Query Match 36.2%; Score 403; DB 4; Length 84;


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; APPLICANT: Shigjan, Andrew W.
; APPLICANT: Wong, Grace H.W.
; TITLE OF INVENTION: NOVEL FORMS OF CASPASE-8 AND
; TITLE OF INVENTION: USES THEREOF
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson, P.C.
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: MA
; COUNTRY: US
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows95
; CURRENT APPLICATION DATA:
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/807,200
; FILING DATE: 27-FEB-1997
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Meiklejohn, Ph.D., Anita L.
; REGISTRATION NUMBER: 35,283
; REFERENCE/DOCKET NUMBER: 07334/021001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-542-5070
; TELEFAX: 617-542-8906
; TELEX: 200154
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 220 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-807-200-2

      Query Match      17.5%; Score 195; DB 2; Length 220;
      Best Local Similarity 27.6%; Pred No. 4.6e-12;
      Matches 54; Conservative 54; Mismatches 70; Indels 18; Gaps

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Db      7  LYDIGEQDSEDLASLKL-----SLDIYIPQKQEPKIDALMLFORLQERMLSESL 62
      : : | | : : | | : : | | : : | | : : | | : : | | : : | | : :
QY      57  -ELLYRVRFDDLKRLLKWDKRAVETHLRNP--HLVSDYRVLMAGIGEDLDKSDVSSLI 113
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Db      63  KELLFRINRDLDTITVNTFRKEEMERE-LQTPGRAQISAYRVWLYQISEVSRSELRSPK 121
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QY      114  FLMKDYMGGRKISKEKSFSLDVVVELEKLNLVAPDQLLEKCLKNTHRIDLTKIQYKO 173
      | | : : | : : : | : | | : | | : | | : | | : | | : | | : | | :
Db      122  FLAQEEISCKLDDNNLDIFIEMEKRVILGSGKLDILKRVCAQINKSLKKI-INDYEE 180
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QY      174  SVQAGTGYRNVLQAA 189
      : | | | | | | : | :
Db      181  FSKDFGQSLPNEKQTS 196
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RESULT 15
US-09-001-777-2
; Sequence 2, Application US/09001777
; Patent No. 6172190
; GENERAL INFORMATION:
; APPLICANT: Hunter, John J.
; APPLICANT: Shyjan, Andrew W.
; APPLICANT: Wong, Grace H.W.
; TITLE OF INVENTION: NOVEL FORMS OF CASPASE-8 AND USES THEREOF
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.

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Job time : 10.1427 secs

GenCore version 5.1.4.p5_4578
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OM nucleic - nucleic search, using sw model

Run on: April 12, 2003, 20:46:38 ; Search time 84.2937 Seconds
(without alignments)
14287.562 Million cell updates/sec

Title: US-09-380-546A-3
Perfect score: 1373
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Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 593429 seqs, 438583890 residues

Total number of hits satisfying chosen parameters: 1186858

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications, NA:

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4: /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq:
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	975.8	71.1	2143	10 US-09-410-194-16	Sequence 16, Appl
3	858.2	62.5	1190	10 US-09-410-194-14	Sequence 14, Appl
4	373.8	27.2	2452	10 US-09-410-194-18	Sequence 18, Appl
c 5	354.2	25.8	490	10 US-09-833-381-436	Sequence 436, App
6	337.8	24.6	2770	9 US-10-005-921-1	Sequence 1, Appli
c 7	276	20.1	437	10 US-09-864-761-3120	Sequence 3120, Ap
c 8	177	12.9	177	10 US-09-864-761-19899	Sequence 19899, A
c 9	90	6.6	277	10 US-09-960-352-12673	Sequence 12673, A
c 10	88	6.4	200	9 US-10-005-921-4	Sequence 4, Appli
c 11	80.2	5.8	416	10 US-09-960-352-4584	Sequence 4584, Ap
c 12	79.4	5.8	312	10 US-09-960-352-8414	Sequence 8414, Ap
c 13	79.4	5.8	375	10 US-09-960-352-15014	Sequence 15014, A
c 14	79.4	5.8	424	10 US-09-960-352-11218	Sequence 11218, A
c 15	79.2	5.8	272	10 US-09-960-352-6986	Sequence 6986, Ap
c 16	78	5.7	393	10 US-09-960-352-4582	Sequence 4582, Ap
c 17	77.4	5.6	408	10 US-09-960-352-6263	Sequence 6263, Ap
c 18	77.2	5.6	373	10 US-09-960-352-836	Sequence 836, App
c 19	77.2	5.6	3899	10 US-09-745-763-107	Sequence 107, App

20	76.4	5.6	312	10	US-09-960-352-8414	Sequence 8414, Ap
21	76.4	5.6	364	10	US-09-960-352-9419	Sequence 9419, Ap
c 22	76.4	5.5	380	10	US-09-960-352-9335	Sequence 9335, Ap
c 23	75.8	5.5	239	10	US-09-960-352-11438	Sequence 11438, A
24	75.8	5.5	279	9	US-10-015-219-538	Sequence 538, App
25	75.8	5.5	279	10	US-09-777-564-538	Sequence 538, App
26	75.8	5.5	1473	9	US-09-796-753-47	Sequence 47, Appl
27	75.8	5.5	2873	10	US-09-925-300-287	Sequence 287, Appl
28	75.6	5.5	2323	9	US-09-809-391-24	Sequence 24, Appl
29	75.6	5.5	2492	9	US-09-798-889-43	Sequence 43, Appl
30	75.2	5.5	233	9	US-10-091-483-110	Sequence 110, App
31	75.2	5.5	233	10	US-09-764-846-110	Sequence 110, App
c 32	75.2	5.5	425	10	US-09-834-975-451	Sequence 451, App
33	75.2	5.5	664	10	US-09-739-254-66	Sequence 66, Appl
34	75.2	5.5	664	10	US-09-904-615-66	Sequence 66, Appl
c 35	75	5.5	419	10	US-09-960-352-11234	Sequence 11234, A
36	75	5.5	1486	9	US-10-012-542-73	Sequence 73, Appl
37	75	5.5	1554	9	US-09-822-846-344	Sequence 344, App
38	75	5.5	1686	10	US-09-745-763-86	Sequence 86, Appl
39	74.8	5.4	317	10	US-09-960-352-3366	Sequence 3366, Ap
c 40	74.8	5.4	382	10	US-09-960-352-3209	Sequence 3209, Ap
41	74.8	5.4	1046	10	US-09-925-297-307	Sequence 307, App
42	74.8	5.4	2270	9	US-10-042-894A-24	Sequence 24, Appl
43	74.8	5.4	3449	9	US-09-925-299-225	Sequence 225, App
44	74.8	5.4	3449	10	US-09-925-299-225	Sequence 225, App
45	74.6	5.4	370	10	US-09-960-352-6169	Sequence 6169, Ap

ALIGNMENTS

RESULT 1
US-09-861-270-1
; Sequence 1, Application US/09861270
; Patent No. US20020052474A1
; GENERAL INFORMATION:
; APPLICANT: Sul, Hong-Bing
; TITLE OF INVENTION: Regulators of Apoptosis
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Science & Technology Law Group
; STREET: 75 Denise Drive
; CITY: Hillsborough
; STATE: California
; COUNTRY: USA
; ZIP: 94010
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/861,270
; FILING DATE: 18-May-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/795,088
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Osman, Richard A
; REGISTRATION NUMBER: 36,627
; REFERENCE/DOCKET NUMBER: T97-001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 343-4341
; TELEFAX: (650) 343-4342
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2045 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA

Db 360 AGCTTCCTAGTCTAAGAGTAGGATGCTGCTGAAGTCATCCATCAGGTTGAAGAAGCAC 419
QY 519 TTGATACAGATGAGAGGAGATGCTGCTCTTTTGTGCGGGGATGCTGCTATAGATGTGG 578
Db 420 TTGATACAGATGAGAGGAGATGCTGCTCTTTTGTGCGGGGATGCTGCTATAGATGTGG 479
QY 579 TTCACCTAATGTCAGGGACCTTCTGGATATTTTACGGGAAACAGGTAAGCTGCTGTGCG 638
Db 480 TTCACCTAATGTCAGGGACCTTCTGGATATTTTACGGGAAACAGGTAAGCTGCTGTGCG 539
QY 639 GGGACTTGGCTGAACCTGCTCTACAGAGTAGGGGATTTGACCTGCTCAACAGTATCTTGA 698
Db 540 GGGACTTGGCTGAACCTGCTCTACAGAGTAGGGGATTTGACCTGCTCAACAGTATCTTGA 599
QY 699 AGATGACAGAAAAGCTGTGGAGACCCAGCTGCTCAGGAACCCCTACCTTGTTCGGACT 758
Db 600 AGATGACAGAAAAGCTGTGGAGACCCAGCTGCTCAGGAACCCCTACCTTGTTCGGACT 659
QY 759 ATAGAGTGTGATGGCAGAGATTGGTGAGGATTTGGATAAATCTGATGCTCCTCATTA 818
Db 660 ATAGAGTGTGATGGCAGAGATTGGTGAGGATTTGGATAAATCTGATGCTCCTCATTA 719
QY 819 TTTTCTCATGAAGGATTACATGGCGGAGCAAGATAAGCAAGGAGAGAGTTTCTTGG 878
Db 720 TTTTCTCATGAAGGATTACATGGCGGAGCAAGATAAGCAAGGAGAGAGTTTCTTGG 779
QY 879 ACCTTGTGTTGATGGGAAACTAAATTTTGGTTGCGCCAGATCAACTGGATTTATAG 938
Db 780 ACCTTGTGTTGATGGGAAACTAAATTTTGGTTGCGCCAGATCAACTGGATTTATAG 839
QY 939 AAAAATGCTTAAAGACATCCAGAGATAGACCTGAAGCAAAAATCCAGAACTACAAGC 998
Db 840 AAAAATGCTTAAAGACATCCAGAGATAGACCTGAAGCAAAAATCCAGAACTACAAGC 899
QY 999 AGTCTGTTCAAGGAGCAGGACAAAGTTTACAGGAATGTTCTTCCAGGAGCAATCCAAAAGA 1058
Db 900 AGTCTGTTCAAGGAGCAGGACAAAGTTTACAGGAATGTTCTTCCAGGAGCAATCCAAAAGA 959
QY 1059 GTCTCAGGATCCTTCAATTAACCTCAGGAT 1089
Db 960 GTCTCAGGATCCTTCAATTAACCTCAGGCT 990

RESULT 3

US-09-410-194-14
; Sequence 14, Application US/09410194
; Patent No. US20020095030A1
; GENERAL INFORMATION:
; APPLICANT: Tschoopp, Jurq
; APPLICANT: Thome, Margot
; APPLICANT: Burns, Kimberly
; APPLICANT: Irmiler, Marten
; APPLICANT: Hahne, Michael
; APPLICANT: Schrotter, Michael
; APPLICANT: Schneider, Pascal
; APPLICANT: Bodmer, Jean- Luc
; APPLICANT: Steiner, Veronique
; APPLICANT: Rimoldi, Donata
; APPLICANT: Hofmann, Kay
; APPLICANT: French, E. Lars
; TITLE OF INVENTION: FLIP GENES AND FLIP PROTEINS
; FILE REFERENCE: 11141-002001
; CURRENT APPLICATION NUMBER: US/09/410,194
; CURRENT FILING DATE: 1999-09-30
; PRIOR APPLICATION NUMBER: PCT/EP98/01857
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: GERMANY 197 13 393.2
; PRIOR FILING DATE: 1997-04-01
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14
; LENGTH: 1190
; TYPE: DNA

; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (394)...(1056)
US-09-410-194-14

Query Match 62.5%; Score 858.2; DB 10; Length 1190;
Best Local Similarity 99.5%; Pred. No. 6.7e-168;
Matches 871; Conservative 0; Mismatches 3; Indels 1; Gaps 1;

QY 343 GAACTCCCCACTGGAAGGATTTCTGAAAGAAATGAAGTCAGCCCTCAGAAATGAAGTTG 402
Db 256 GAACTCCCCACTGGAAGGATTTCTCAAAGAAATGAAGTCAGCCCTCAGAAATGAAGTTG 315
QY 403 ACTGCCCTGCTGGCTTTCTGTTGACTGGCCCGGAGCTGTACTGCAAGACCCCTTGTGAGCT 452
Db 316 ACTGCCCTGCTGGCTTTT-CTGTTGACTGGCCCGGAGCTGTACTGCAAGACCCCTTGTGAGCT 374
QY 463 TCCTTAGTCTAAGAGTAGGATGCTGCTGAAGTCATCCATCAGGTTGAAGAAGCACTTGA 522
Db 375 TCCTTAGTCTAAGAGTAGGATGCTGCTGAAGTCATCCATCAGGTTGAAGAAGCACTTGA 434
QY 523 TACAGATGAGAAGGAGATGCTGCTCTTTTGTGCCGGGATGTTGCTATAGATGTGTTCC 582
Db 435 TACAGATGAGAAGGAGATGCTGCTCTTTTGTGCCGGGATGTTGCTATAGATGTGTTCC 494
QY 583 ACCTAATGTCAGGACCTTCTGATATTTTACGGGAAAGAGGTAAGCTGTCTCGGGGA 642
Db 495 ACCTAATGTCAGGACCTTCTGATATTTTACGGGAAAGAGGTAAGCTGTCTCGGGGA 554
QY 643 CTTGGCTGAACCTCTACAGAGTAGGCGATTTGACCTGCTCAAAAGCTATCTTGAAGAT 702
Db 555 CTTGGCTGAACCTCTCTACAGAGTAGGCGATTTGACCTGCTCAAAAGCTATCTTGAAGAT 614
QY 703 GGACAGAAAGCTGTGAGAGACCCACCTGCTCAGGAAACCCCTCACCTTGTTCGGACTATAG 762
Db 615 GGACAGAAAGCTGTGAGAGACCCACCTGCTCAGGAAACCCCTCACCTTGTTCGGACTATAG 674
QY 763 AGTGTGATGGCAGAGATTTGGTGAGGATTTGGATAAATCTGATGTGCTCCTCATATTTT 822
Db 675 AGTGTGATGGCAGAGATTTGGTGAGGATTTGGATAAATCTGATGTGCTCCTCATATTTT 734
QY 823 CCTCATGAAGGATTACATGGCCGAGGCAAGATAAAGCAAGGAGAGAGTTTCTTGGACCT 882
Db 735 CCTCATGAAGGATTACATGGCCGAGGCAAGATAAAGCAAGGAGAGAGTTTCTTGGACCT 794
QY 883 TGTGTTGAGTTGGAGAAACTAAATTTGTTGCCCCAGATCAACTCGATTTATTAGAAA 942
Db 795 TGTGTTGAGTTGGAGAAACTAAATCTGTTGCCCCAGATCAACTCGATTTATTAGAAA 854
QY 943 ATGCCCTAAAGACATCCAGAGATAGACCTGAAGAGCAAAAATCCAGAGTACAGCAGTC 1002
Db 855 ATGCCCTAAAGACATCCAGAGATAGACCTGAAGAGCAAAAATCCAGAGTACAGCAGTC 914
QY 1003 TGTTCAGGAGCAGGACCAAGTTTACAGGAATGTTCTTCCAGGAGCAATCCAAAAGAGTCT 1062
Db 915 TGTTCAGGAGCAGGACCAAGTTTACAGGAATGTTCTTCCAGGAGCAATCCAAAAGAGTCT 974
QY 1063 CAAGGATCCTTCAAAATCACTCAGGATGATAACACCCCTATGCCCATTTCTCGATCTGAA 1122
Db 975 CAAGGATCCTTCAAAATCACTCAGGATGATAACACCCCTATGCCCATTTCTCGATCTGAA 1034
QY 1123 AATCTTGGAAATTTTCCATGTGATTAACATGGAAGTGCCTTACTTAACTTCTGAA 1182
Db 1035 AATCTTGGAAATTTTCCATGTGATTAACATGGAAGTGCCTTACTTAACTTCTGAA 1094
QY 1183 TGATTAATCGTTTCAATTTTCTAAATGTGTATAA 1217
Db 1095 TGATTAATCGTTTCAATTTTCTAAATGTGTATAA 1129

RESULT 4
US-09-410-194-18

```

; Sequence 18, Application US/09410194
; Patent No. US20020095030A1
; GENERAL INFORMATION:
; APPLICANT: Tschoopp, Jurg
; APPLICANT: Thome, Margot
; APPLICANT: Burns, Kimberly
; APPLICANT: Irmier, Marten
; APPLICANT: Hahne, Michael
; APPLICANT: Schroter, Michael
; APPLICANT: Schneider, Pascal
; APPLICANT: Bodmer, Jean- Luc
; APPLICANT: Steiner, Veronique
; APPLICANT: Rimoldi, Donata
; APPLICANT: Hofmann, Key
; APPLICANT: French, E. Lars
; TITLE OF INVENTION: FLIP GENES AND FLIP PROTEINS
; FILE REFERENCE: 11141-002001
; CURRENT APPLICATION NUMBER: US/09/410,194
; CURRENT FILING DATE: 1999-09-30
; PRIOR APPLICATION NUMBER: PCT/EP98/01857
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: GERMANY 197 13 393.2
; PRIOR FILING DATE: 1997-04-01
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 18
; LENGTH: 2452
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (172)...(1614)
; US-09-410-194-18

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[illegible]

Qy	844	CCGAGGCAAGATAAAGCAAAGGAGAAGAGTTTCTTGACACTTGTGGTTGAGTTGGAGAAACT	903
Dd	549	CAGAGGCAAGATAGCCAAGGACAAGAGTTTCTTGATCTGTGATTGAATTGGAGAACT	608
Qy	904	AAATTTGGTTGCCCGCAGATCAACTGGATTTATTAGAAAAATGCCTTAAGAACAATCCACAG	963
Dd	609	GAATCTAATTGCTTCAGACCCAATTGAATTGTTAGAAAAATGCCTGAAGAACAATCCACAG	668
Qy	964	AATAGACCTGAAGACAAAAATCCAGAACTACAAGCAGTCTGTTCAAGGAGCAGGACACAAG	1023
Dd	669	AATAGACTTGAACCAAAAAGATCCAGAAGTACACCCAGCCCAAGGAGCAAGATCAAA	728
Qy	1024	TTCACGGAATGTCTCCACAGCAGCAATCCAAAAGAGTCTCAAGGATCCTTCAA	1076
Dd	729	TATGNATACTCTCAGGCTTCGCTCCCCAAAATTGAGTATCAAGTATACTCAA	781

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RESULT 5
US-09-833-381-436/c
; Sequence 436 Application US/09833381
; Patent No. US20020132090A1
; GENERAL INFORMATION:
; APPLICANT: Robison, Keith E.
; TITLE OF INVENTION: No. US20020132090A1el Nucleic Acid and Protein Homologs
; CURRENT APPLICATION NUMBER: US/09/833,381
; PRIOR FILING DATE: 2001-04-11
; PRIOR APPLICATION NUMBER: 09/516,448
; PRIOR FILING DATE: 2000-02-29
; NUMBER OF SEQ ID NOS: 2050
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 436
; LENGTH: 490
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(490)
; OTHER INFORMATION: n = A,T,C or G
US-09-833-381-436

```

Query Match	25.8%	Score 354.2	DB 10	Length 490
Best Local Similarity	82.4%	Pred. No. 5.le-64		
Matches 404	Conservative 0	Mismatches 86	Indels 0	Gaps 0
QY	653	CTGCTCTACACAGTGAGCGGATTTGACCTGCTCAAAACGTATCTTGAAGATCGACACGAAA	712	
DB	490	CTGTTCTATAGAGTGAGCGGATTTGATGCTCTACATGCACTCTCGCACATTCGACACATCGACACACA	431	
QY	713	GCTGTGGAGACCCACCTGCTCTCAGGAACCCCTCACCTTGTTCGGAGCTATAGAGTGCCTGATG	772	
DB	430	GCTGTGCAGATCCACANTGCTTTAGCCATCCTCACCTTTGTTTGGCACTATACAGTGCCTGATG	371	
QY	773	GCACGATTTGCTGAGGATTTGGATAAATCTCATCTGTCCTCATTAATTTTCTCTCATGAAG	832	
DB	370	GTAGAGATCGGTGTGACATTTTCGATCAATNCCATGTGCTCTCATTCATTTCTTTATCAAG	311	
QY	833	GATTACATGGCCCGAGGCAAGATAGCAAGGAGAGAGTTTCTTGGACCTTGTGGTTGAG	892	
DB	310	CATCCAATGGCCTGAGGTTAAGATAACCCAGGAGAGAGTTTGTGGACTTTGTGGTTGAG	251	
QY	893	TTGGAGAACTAAATTTTGGTTGGCCCGAGATCAACTGGATTTATTAGAAAAATGCTCTAAAG	952	
DB	250	TTGGAGAAANTACATCCCGGTGCGCTCGAGTTTCACTGTGATTCATTAGCAAAATGCTTTAAAG	191	
QY	953	AACATTCACACAAATAGACCTCTCAACACAAAAATCCAGAAGTACACAGCTGTGTTCAAGGA	1012	
DB	190	AACATTCACAGAAATAGACCTCAACCAAAAATCCAGAAGTATAGACGAGTGTGTTCAAGCA	131	
QY	1013	GCAGGGACAAGTTACAGGAATGTTTCTCCAAGCAGCAATCCAAAAAGAGTCTCAAGGATCCT	1072	
DB	130	GCAGGGACAAGTACACGAATGTTTTCACCCAGCAATTAACACGAGTTTCCAGGATCCT	71	

OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 2.6
OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 2.5
OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 2
US-09-864-761-3120

Query Match 20.1%; Score 276; DB 10; Length 437;
Best Local Similarity 100.0%; Pred. No. 6.8e-48;
Matches 276; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 487 TGCTGAAGTATCCATCAGGTTGAAGAGCACTTGATACAGATGAGAAGGAGAGTCTGCT 546
DB 437 TGCTGAAGTATCCATCAGGTTGAAGAGCACTTGATACAGATGAGAAGGAGAGTCTGCT 378
QY 547 CTTTTTGTCCGGGATCTGTATAGATGTGTTCCACCTAAATCTCAGGACCTTCTGGA 606
DB 377 CTTTTTGTCCGGGATCTGTCTATAGATGTGTTCCACCTAAATCTCAGGACCTTCTGGA 318
QY 607 TATTTACGGAAAGAGTAAAGCTGTCTGTCCGGGACTTGGCTGAACCTCTACAGAGT 666
DB 317 TATTTACGGAAAGAGTAAAGCTGTCTGTCCGGGACTTGGCTGAACCTCTACAGAGT 258
QY 667 GAGCGATTGACCTGCTCAACCTATCTTGAAGATGACAGAAAAGCTGTGGAGACCCA 726
DB 257 GAGCGATTGACCTGCTCAACCTATCTTGAAGATGACAGAAAAGCTGTGGAGACCCA 198
QY 727 CTTCTCAGGAACCTCACCTGTGTTCCGGACTATAG 762
DB 197 CTTCTCAGGAACCTCACCTGTGTTCCGGACTATAG 162

RESULT 8

US-09-864-761-19899/c
Sequence 19899, Application US/09864761
Patent No. US20020048763A1
GENERAL INFORMATION:
APPLICANT: Penn, Sharon G.
APPLICANT: Rank, David R.
APPLICANT: Hanzel, David K.
APPLICANT: Chen, Wensheng
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
FILE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
FILE REFERENCE: Aeomica-X-1
CURRENT APPLICATION NUMBER: US/09/864,761
CURRENT FILING DATE: 2001-05-23

PRIOR APPLICATION NUMBER: US 60/180,312
PRIOR FILING DATE: 2000-02-04
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 09/632,366
PRIOR FILING DATE: 2000-08-03
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00662
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00661
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00670

PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: US 60/234,687
PRIOR FILING DATE: 2000-09-21
PRIOR APPLICATION NUMBER: US 09/608,408
PRIOR FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: US 09/774,203
PRIOR FILING DATE: 2001-01-29
NUMBER OF SEQ ID NOS: 49117
SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
SEQ ID NO 19899
LENGTH: 177
TYPE: DNA
ORGANISM: Homo sapiens

FEATURE:
OTHER INFORMATION: MAP TO AC007272.2
OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 2.5
OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 8
OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 2
OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 2.1
OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 1.9
OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 3.3
OTHER INFORMATION: EXPRESSED IN HEPA, SIGNAL = 3.5
OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 2.6
OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 2.5
OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 2
OTHER INFORMATION: SWISSPROT HIT: O51391, EVALUE 4.90e+00
OTHER INFORMATION: EST_HUMAN HIT: AV691851.1, EVALUE 3.00e-95
OTHER INFORMATION: NT HIT: AF015450.1, EVALUE 2.00e-95
US-09-864-761-19899

Query Match 12.9%; Score 177; DB 10; Length 177;

Best Local Similarity 100.0%; Pred. No. 1.2e-27;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 482 ATCTCTCTGCTGAAGTATCCATCAGGTTGAAGAGCACTTGATACAGATGAGAAGGAGATG 541
DB 177 ATCTCTGCTGAAGTATCCATCAGGTTGAAGAGCACTTGATACAGATGAGAAGGAGATG 118
QY 542 CTGCTCTTTTGTCCGGGATCTGCTATAGATGTGTTCCACCTATATGTCAGGACCTT 601
DB 117 CTGCTCTTTTGTCCGGGATCTGCTATAGATGTGTTCCACCTATATGTCAGGACCTT 58
QY 602 CTGATATTTTACGGGAAAGAGGTAAGCTCTGTCTGGGACTTGGCTGAACCTGCTC 658
DB 57 CTGATATTTTACGGGAAAGAGGTAAGCTCTGTCTGGGACTTGGCTGAACCTGCTC 1

RESULT 9

US-09-960-352-12673/c
Sequence 12673, Application US/09960352
Patent No. US20020137139A1
GENERAL INFORMATION:

APPLICANT: Warren, Wesley C.
APPLICANT: Tao, Nengbing
APPLICANT: Byatt, John C.
APPLICANT: Mathialagan, Nagappan

TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION A
TITLE OF INVENTION: MUSCLE AND FAT DEPOSITION
FILE REFERENCE: 16511.006/37-21(10298)C
CURRENT APPLICATION NUMBER: US/09/960,352
CURRENT FILING DATE: 2001-09-24

NUMBER OF SEQ ID NOS: 15112

SEQ ID NO 12673

LENGTH: 277

TYPE: DNA

ORGANISM: Bos taurus

OTHER INFORMATION: Clone ID: 54-LIB3058-039-Q1-K1-F10

US-09-960-352-12673

Query Match

Best Local Similarity 64.3%; Score 90; DB 10; Length 277;

Matches 135; Conservative 0; Mismatches 75; Indels 0; Gaps 0;


```
Sequence 15014, Application US/09960352
Patent No. US20020137139A1
GENERAL INFORMATION:
APPLICANT: Warren, Wesley C.
APPLICANT: Tao, Nengbing
APPLICANT: Byatt, John C.
APPLICANT: Mathialagan, Nagappan
TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND
FILE REFERENCE: 16511.006/37-21(10298)C
CURRENT APPLICATION NUMBER: US/09/960,352
CURRENT FILING DATE: 2001-09-24
NUMBER OF SEQ ID NOS: 15112
SEQ ID NO 15014
LENGTH: 375
TYPE: DNA
ORGANISM: Bos taurus
OTHER INFORMATION: Clone ID: 64-LIB3058-048-Q1-K1-H8
US-09-960-352-15014

Query Match 5.8%; Score 79.4; DB 10; Length 375;
Best Local Similarity 64.3%; Pred. No. 2.5e-07;
Matches 119; Conservative 0; Mismatches 66; Indels 0; Gaps 0;

QY 1189 AATCGGTTTCATTTCTTAATGCTTTAATGCTTTAGCCCTTCTTGTGCTGCTGATGTT 1248
Db 274 ATTTTAAATTTTTTTTTTTTATTTTTTTCATCCTTTTTTAAATAAAATA 215

QY 1249 TAGATGCTTCCATCTTTTGTGCTACTAATAATGCTATAAATAATATCTTCTGCTACT 1308
Db 214 TATATTTTTTTTTTTTTTTTATTTTTTAAATAAATAAATAAATAAATAAATAA 155

QY 1309 TCTTAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 1368
Db 154 TAAAAAATAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 95

QY 1369 AAAA 1373
Db 94 AAAA 90

RESULT 14
US-09-960-352-11218/c
Sequence 11218, Application US/09960352
Patent No. US20020137139A1
GENERAL INFORMATION:
APPLICANT: Warren, Wesley C.
APPLICANT: Tao, Nengbing
APPLICANT: Byatt, John C.
APPLICANT: Mathialagan, Nagappan
TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND
FILE REFERENCE: 16511.006/37-21(10298)C
CURRENT APPLICATION NUMBER: US/09/960,352
CURRENT FILING DATE: 2001-09-24
NUMBER OF SEQ ID NOS: 15112
SEQ ID NO 11218
LENGTH: 424
TYPE: DNA
ORGANISM: Bos taurus
OTHER INFORMATION: Clone ID: 48-LIB3058-026-Q1-K1-D12
US-09-960-352-11218

Query Match 5.8%; Score 79.4; DB 10; Length 424;
Best Local Similarity 57.4%; Pred. No. 2.6e-07;
Matches 143; Conservative 0; Mismatches 106; Indels 0; Gaps 0;

QY 1125 TTCTTGAATTCCTCGATGCTTAACATGGAATCGCTCTACTTAATCATCTCTGAATG 1184
Db 270 TTTCTTAAATAATCTCTTTTATTTTTTAAATTTCTCTATAAATATTTTTTTTATAT 211

QY 1185 ATTAATCGTTTCATTTCTTAATGCTTATAATGTTTAGCCCTTCTGCTGTA 1244
Db 1185 ATTAATCGTTTCATTTCTTAATGCTTATAATGTTTAGCCCTTCTGCTGTA 1244
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Db 210 TTTTAAACAATATATTTAAATTTTAAATTTTATTTTAAATTTTATTTTATTTT 151
QY 1245 TGTTAGATGCTTTTCCATCTTTTGTACTACTAATAATGCTATAAATAATATCTTGTG 1304
Db 150 ATTTTATTTTTTTTTTTTATTTTTTTTATTTTTTTTATTTTATTTTAAATAAATAA 91
QY 1305 TACTTCTTAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 1364
Db 90 AAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 31
QY 1365 AAAAAAATAA 1373
Db 30 AAAAAAATAA 22

RESULT 15
US-09-960-352-6986/c
Sequence 6986, Application US/09960352
Patent No. US20020137139A1
GENERAL INFORMATION:
APPLICANT: Warren, Wesley C.
APPLICANT: Tao, Nengbing
APPLICANT: Byatt, John C.
APPLICANT: Mathialagan, Nagappan
TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION A
FILE REFERENCE: 16511.006/37-21(10298)C
CURRENT APPLICATION NUMBER: US/09/960,352
CURRENT FILING DATE: 2001-09-24
NUMBER OF SEQ ID NOS: 15112
SEQ ID NO 6986
LENGTH: 272
TYPE: DNA
ORGANISM: Bos taurus
OTHER INFORMATION: Clone ID: 30-LIB3058-026-Q1-K1-H9
US-09-960-352-6986

Query Match 5.8%; Score 79.2; DB 10; Length 272;
Best Local Similarity 61.8%; Pred. No. 2.3e-07;
Matches 126; Conservative 0; Mismatches 78; Indels 0; Gaps 0;

QY 1170 TAATCATCTCGAATGATTAATCGTTTTCATTTTCTAAATGCTGTATAATGTTTAGCCC 1229
Db 267 TAATTTAAAAAATTTAATAATTAATAAATAAATAAATAAATAAATAAATAAATAAATC 208
QY 1230 TTTCTTGTGCTGATGTTTAGATGCTTTTCCATCTTTTGTACTACTAATAATGCTATA 1289
Db 207 TATTAATAAACCATTAATTAATAACATTAATAAATAATCTTTTATTAATAAATAATTTATA 148
QY 1290 AATAAATAATCTTGTACTTCTTAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 1349
Db 147 AAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 88
QY 1350 AAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 1373
Db 87 AAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 64
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Search completed: April 12, 2003, 22:35:01
Job time : 92.2937 secs

GenCore version 5.1.4.p5_4578
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OM nucleic - nucleic search, using sw model

Run on: April 12, 2003, 18:24:48 ; Search time 33.7934 Seconds
(without alignments)
12460.036 Million cell updates/sec

Title: US-09-380-546A-3
Perfect score: 1373
Sequence: 1 ggagctcgagcattacaat.....aaaaaaaaaaaaaaaaaaaa 1373

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents.NA.*
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5: /cgn2_6/ptodata/1/ina/PTCUS_COMB.seq:*
6: /cgn2_6/ptodata/1/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1033.4	75.3	2040	4	US-09-069-023-33
2	1025.2	74.7	2045	4	US-08-795-088A-1
3	1008.6	73.5	1750	3	US-08-859-167-1
4	1008.6	73.5	1750	3	US-09-109-273-1
5	1008.6	73.5	1750	4	US-09-276-993-1
6	79.4	5.8	1582	3	US-08-545-196B-10
7	79.4	5.8	1582	3	US-08-545-196B-12
8	78.4	5.7	3527	2	US-08-909-965C-7
9	78.4	5.7	1454	4	US-09-372-422A-19
10	76.8	5.6	1441	4	US-08-821-99A-63
11	75.6	5.5	2323	4	US-09-149-476-24
12	74.8	5.4	746	4	US-09-013-810-1
13	74.2	5.4	2852	3	US-09-027-137-2
14	74.2	5.4	2852	4	US-09-344-441-2
15	73.2	5.3	5852	1	US-07-867-106-2
16	72.8	5.3	1117	4	US-09-247-373B-33
17	72.6	5.3	680	6	5498694-3
18	72.6	5.3	1485	4	US-09-372-422A-39
19	72.2	5.3	1123	4	US-09-152-060-15
20	72.2	5.2	578	4	US-09-602-877A-95
21	72.2	5.2	1378	4	US-09-149-476-208
22	71.8	5.2	2296	4	US-08-496-841C-137
23	71.4	5.2	991	3	US-08-924-747-25
24	71.4	5.2	991	4	US-09-247-373B-25
25	71.4	5.2	991	4	US-09-296-715-25
26	71.4	5.2	2239	4	US-09-196-390-1
27	71.2	5.2	1507	4	US-09-453-323-1

28	71.2	5.2	2409	4	US-09-293-322C-8	Sequence 8, Appl
29	71.2	5.2	3581	2	US-08-738-349-1	Sequence 1, Appl
30	71	5.2	3848	4	US-09-112-096-28	Sequence 28, Appl
31	71	5.2	5668	4	US-09-112-096-14	Sequence 14, Appl
32	71	5.2	5668	4	US-09-605-785-777	Sequence 777, App
33	70.8	5.2	1641	1	US-08-300-903A-8	Sequence 8, Appl
34	70.4	5.1	1493	1	US-08-340-820-24	Sequence 24, Appl
35	70.4	5.1	1493	1	US-08-593-535-24	Sequence 24, Appl
36	70.4	5.1	2550	6	5258287-23	Patent No. 5258287
37	70.2	5.1	1181	4	US-09-149-476-310	Sequence 310, App
38	70.2	5.1	1212	4	US-09-149-476-186	Sequence 186, App
39	70.2	5.1	1776	3	US-08-655-352-10	Sequence 10, Appl
40	70.2	5.1	1776	4	US-09-258-016-10	Sequence 10, Appl
41	70.2	5.1	3124	4	US-09-734-030-1	Sequence 1, Appl
42	70.2	5.1	3124	4	US-09-734-030-1	Sequence 1, Appl
43	70	5.1	1046	1	US-08-361-467B-4	Sequence 4, Appl
44	70	5.1	1046	1	US-08-484-332C-4	Sequence 4, Appl
45	70	5.1	1461	3	US-08-722-126A-4	Sequence 4, Appl

ALIGNMENTS

RESULT 1

US-09-069-023-33
; Sequence 33, Application US/09069023A
; Patent No. 6348573
; GENERAL INFORMATION:
; APPLICANT: Nunez, Gabriel
; APPLICANT: Inohara, Naohiro
; APPLICANT: Koseki, Takeyoshi
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR IDENTIFYING APOPTOSIS
; TITLE OF INVENTION: SIGNALING PATHWAY INHIBITORS AND ACTIVATORS
; FILE REFERENCE: UM-03333
; CURRENT APPLICATION NUMBER: US/09/069,023A
; CURRENT FILING DATE: 1998-04-27
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn ver. 2.0
; SEQ ID NO 33
; LENGTH: 2040
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-069-023-33

Query Match 75.3%; Score 1033.4; DB 4; Length 2040;
Best Local Similarity 99.4%; Pred. No. 1.2e-228;
Matches 1037; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

OY	47	AGCGAGCTTGAGGCTCACACAGTGAAGTCCCGCTTTTGTCCAGTGAAGCTGAGA	106
Db	1	AGCGAGCTTGAGGCTCACACAGTGAAGTCCCGCTTTTGTCCAGTGAAGCTGAGA	60
OY	107	GGAGTCGCGCTCACACAGTGAAGTCCCGCTTTTGTCCAGTGAAGCTGAGA	166
Db	61	GGAGTCGCGCTCACACAGTGAAGTCCCGCTTTTGTCCAGTGAAGCTGAGA	120
OY	167	CAACAAGGACACAGGAGGTGTAGAGAGAGCGCGGAGAGAGCGGATCGGCCAGCA	226
Db	121	CAACAAGGACACAGGAGGTGTAGAGAGAGCGCGGAGAGAGCGGATCGGCCAGCA	180
OY	227	CCAGTCCGCTTCAGGCTTTTCGGTTTCTTTTCCATCTTGGTGGCTTCCCGCGG	286
Db	181	CCAGTCCGCTTCAGGCTTTTCGGTTTCTTTTCCATCTTGGTGGCTTCCCGCGG	240
OY	287	TCTAGGGAGGAGGCTTGAGGTGCGCAGCAGAGAGTCCGCGCGGAGAGCGAAC	346
Db	241	TCTAGGGAGGAGGCTTGAGGTGCGCAGCAGAGAGTCCGCGCGGAGAGCGAAC	300
OY	347	TCCCCCTTGAAGGAGTTCGAAAGAAATGAAGTCAGCCCTCAGAAATGAAGTTGACTG	406
Db	301	TCCCCCTTGAAGGAGTTCGAAAGAAATGAAGTCAGCCCTCAGAAATGAAGTTGACTG	360
OY	407	CCTGCTGCTTTCTTGTGACTGGCCCGGAGCTGTACTGCAAGACCCCTTGTGAGCTTCCC	466

Db 857 TGAAGGATTACATGGCGGAGCAAGATAAGCAAGGAGAAGAGTTCTTGGACCTTGTGG 916
Qy 888 TTGAGTTGGAGAACTAAATTTGGTTGCCCGAGATCAACTGATTTATTAGAAAAATGCC 947
Db 917 TTGAGTTGGAGAACTAAATTTGGTTGCCCGAGATCAACTGATTTATTAGAAAAATGCC 976
Qy 948 TAAAGACATCCACAGATAGACCTGAGACAGAAAAATCCAGAGTACAGCAGTCTGTTC 1007
Db 977 TAAAGACATCCACAGATAGACCTGAGACAGAAAAATCCAGAGTACAGCAGTCTGTTC 1036
Qy 1008 AAGCAGGAGGACAGATTACAGGATTTCTCCAGCAGCAATCCAAAGAGTCTCAAGG 1067
Db 1037 AAGCAGGAGGACAGATTACAGGATTTCTCCAGCAGCAATCCAAAGAGTCTCAAGG 1096
Qy 1068 ATCCTTCAAAATACTTCAGGAT 1089
Db 1097 ATCCTTCAAAATACTTCAGGCT 1118

RESULT 3

US-08-859-167-1
; Sequence 1, Application US/08859167

; Patent No. 6037461

; GENERAL INFORMATION:

; APPLICANT: Alnemri, Emad S.

; TITLE OF INVENTION: FADD-LIKE ANTI-APOPTOTIC MOLECULES, METHODS OF

; TITLE OF INVENTION: USING THE SAME, AND COMPOSITIONS FOR AND METHODS

; TITLE OF INVENTION: OF MAKING THE SAME

; NUMBER OF SEQUENCES: 17

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Woodcock, Washburn, Kurtz, Mackiewicz & No. 6037461rlis

; STREET: One Liberty Place, 46th floor

; CITY: Philadelphia

; STATE: PA

; COUNTRY: USA

; ZIP: 19103

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: WINDOWS

; SOFTWARE: WordPerfect

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/859,167

; FILING DATE:

; CLASSIFICATION: 435

; ATTORNEY/AGENT INFORMATION:

; NAME: DeLuca, Mark

; REGISTRATION NUMBER: 33,229

; REFERENCE/DOCKET NUMBER: TJU-

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (215) 568-3100

; TELEFAX: (215) 568-3439

; INFORMATION FOR SEQ ID NO: 1:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 1750 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: double

; TOPOLOGY: both

; MOLECULE TYPE: CDNA

; FEATURE:

; NAME/KEY: CDS

; LOCATION: 413..1750

US-08-859-167-1

Query Match 73.58; Score 1008.6; DB 3; Length 1750;
Best Local Similarity 99.5%; Pred. No. 5.5e-223;
Matches 1022; Conservative 0; Mismatches 4; Indels 1; Gaps 1;

Qy 69 CGAGTCTCAACTAAAGGAGCTCCCGGAGCTAGGGGTGGGACTCGGCCTCACACAGTGA 128

Db 1 CGAGTCTCAACTAAAGGAGCTCCCGGAGCTAGGGGTGGGACTCGGCCTCACACAGTGA 60

Qy 129 GTCCCGGCTATTGACATTTTCTCCAGTGACAGCTGAGACAAACAAAGGACCACGGGAGGAG 188
Db 61 GTCCCGGCTATTGACATTTTCTCCAGTGACAGCTGAGACAAACAAAGGACCACGGGAGGAG 120
Qy 189 TGTAGGAGAGAAAGCGCCGCGGAGCGATCGCCAGACCAAGTCCCGCTTCCAGGCTTTC 248
Db 121 TGTAGGAGAGAAAGCGCCGCGGAGCGATCGCCAGACCAAGTCCCGCTTCCAGGCTTTC 180
Qy 249 GGTTCCTTGGCTCCATCTTGGGTGGCGCTTCCCGGGGCTCTAGGGAGCGAAGGCTGAGG 308
Db 181 GGTTCCTTGGCTCCATCTTGGGTGGCGCTTCCCGGGGCTCTAGGGAGCGAAGGCTGAGG 240
Qy 309 TGGCAGCGGCGAGGAGAGTCCGGCGCGACAGGAGCAACTCCCCACACTGGGAAGGATTCG 368
Db 241 TGGCAGCGGCGAGGAGAGTCCGGCGCGACAGGAGCAACTCCCCACACTGGGAAGGATTCG 300
Qy 369 AAAGAAATGAAGTCAGCCCTCAGAAATGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 428
Db 301 AAAGAAATGAAGTCAGCCCTCAGAAATGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 359
Qy 429 GCGCCGGAGCTGTACTGCAAGACCCCTTGTGAGCTTCCCTAGTCTAAGAGTAGGATGCTG 488
Db 360 GCGCCGGAGCTGTACTGCAAGACCCCTTGTGAGCTTCCCTAGTCTAAGAGTAGGATGCTG 419
Qy 489 CTGAAGTCATCCATCAGGTTGAAGAGCACCTTGATACAGATGAGAAGGAGATGCTGCTCT 548
Db 420 CTGAAGTCATCCATCAGGTTGAAGAGCACCTTGATACAGATGAGAAGGAGATGCTGCTCT 479
Qy 549 TTTTGTCCCGGGATGTTGCTATAGATGTTGCTCCACCTTAATGTCAGGAGACCTTCTGGATA 608
Db 480 TTTTGTCCCGGGATGTTGCTATAGATGTTGCTCCACCTTAATGTCAGGAGACCTTCTGGATA 539
Qy 609 TTTTACGGGAAAGAGGTAAGCTGTCTGCGGGGAGCTTGGCTGAACCTGTCTACAGAGTGA 668
Db 540 TTTTACGGGAAAGAGGTAAGCTGTCTGCGGGGAGCTTGGCTGAACCTGTCTACAGAGTGA 599
Qy 669 GCGCATTTGACCTGCTCAACAGTATCTTGAAGATGGACAGAAAGCTGTGGAGACCCACC 728
Db 600 GCGCATTTGACCTGCTCAACAGTATCTTGAAGATGGACAGAAAGCTGTGGAGACCCACC 659
Qy 729 TGCTCAGGAACCTCACCTTGTTCGGACTATAGAGTCTGATGCGCAGAGATTGGTGAGG 788
Db 660 TGCTCAGGAACCTCACCTTGTTCGGACTATAGAGTCTGATGCGCAGAGATTGGTGAGG 719
Qy 789 ATTTGGATAAATCTGATGTGCTCTCATTAATTTTCTCATGAAGGATTTACATGGCCGAG 848
Db 720 ATTTGGATAAATCTGATGTGCTCTCATTAATTTTCTCATGAAGGATTTACATGGCCGAG 779
Qy 849 GCAAGATAAGCAAGGAGAGAGTTTCTTGGACCTTGTGGTGGAGTGGAGAACTAAATTT 908
Db 780 GCAAGATAAGCAAGGAGAGAGTTTCTTGGACCTTGTGGTGGAGTGGAGAACTAAATTT 839
Qy 909 TGGTTGCCCGCAGATCAACTGGATTTATTAGAAAAATGCTTAAAGAACATCCACAGAAATAG 968
Db 840 TGGTTGCCCGCAGATCAACTGGATTTATTAGAAAAATGCTTAAAGAACATCCACAGAAATAG 899
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Db 900 ACCTCAAGACAAAAATCCAGAAAGTACAGCAGTCTGTTTCAAGGAGCGGAGCAAGTTACA 959
Qy 1029 GGAATGTTCTCAAGCAGCAATCCAAAGAGTCTCAAGGATCCTTCAAAATTAACTTTCAGGA 1088
Db 960 GGAATGTTCTCAAGCAGCAATCCAAAGAGTCTCAAGGATCCTTCAAAATTAACTTTCAGGA 1019
Qy 1089 TGATAAC 1095
Db 1020 GCATACC 1026

RESULT 4
US-09-109-273-1
; Sequence 1, Application US/09109273

Patent No. 6063760
GENERAL INFORMATION:
APPLICANT: Alnemri, Emad S.
APPLICANT: Fernandez-Alnemri, Teresa
TITLE OF INVENTION: FADD-LIKE ANTI-APOPTOTIC MOLECULES, METHODS OF
TITLE OF INVENTION: USING THE SAME, AND COMPOSITIONS FOR AND METHODS
TITLE OF INVENTION: OF MAKING THE SAME
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: Woodcock, Washburn, Kurtz, Mackiewicz & No. 6063760ris
STREET: One Liberty Place, 46th floor
CITY: Philadelphia
STATE: PA
COUNTRY: USA
ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: WINDOWS
SOFTWARE: WordPerfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/109,273
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/859,167
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Deluca, Mark
REGISTRATION NUMBER: 33,229
REFERENCE/DOCKET NUMBER: TJJ-
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 568-3100
TELEFAX: (215) 568-3439
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1750 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: both
MOLECULE TYPE: CDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 413..1750
US-09-109-273-1

Query Match 73.58; Score 1008.6; DB 3; Length 1750;
Best Local Similarity 99.58; Pred. No. 5.5e-223;
Matches 1022; Conservative 0; Mismatches 4; Indels 1; Gaps 1;

Qy 69 CGAGTCTCAACTAAAGGAGCTCCCGGAGCTAGGGGTGGGACTCGGCTCACACAGTGA 128
Db 1 CGAGTCTCAACTAAAGGAGCTCCCGGAGCTAGGGGTGGGACTCGGCTCACACAGTGA 60
Qy 129 GTGCGGCTATTTGGACTTTTTCAGTGACAGCTGAGACAACAGGACCGGAGGAGG 188
Db 61 GTGCGGCTATTTGGACTTTTTCAGTGACAGCTGAGACAACAGGACCGGAGGAGG 120
Qy 189 TGTAGGAGAGAGCGCCCGAACAGCGATCGCCAGCAGCAAGTCCGCTTCCAGCTTTC 248
Db 121 TGTAGGAGAGAGCGCCCGAACAGCGATCGCCAGCAGCAAGTCCGCTTCCAGCTTTC 180
Qy 249 GTTTCCTTTGCTCCATCTTGGGTGCGCTTTCGCGGCTCTAGGGAGCGAGGCTGAGG 308
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Qy 309 TGGAGCGCGGAGGAGTCCCGCGCGGAGCAAGTCCCGCTAGGAGCGAGGATTTCTG 368
Db 241 TGGAGCGCGGAGGAGTCCCGCGCGGAGCAAGTCCCGCTAGGAGCGAGGATTTCTG 300
Qy 369 AAGAGAAATGAATGACGCTCAGAAATGAAGTTGACTGCTGCTTCTTCTGACT 428
Db 301 AAGAGAAATGAATGACGCTCAGAAATGAAGTTGACTGCTGCTTCTTCTGACT 359

Qy 429 GSCCGGAGCTCTACTGCAAGACCTTCTGAGCTTCCCTAGTCTTAAAGTAGGATGCTG 488
Db 360 GSCCGGAGCTCTACTGCAAGACCTTCTGAGCTTCCCTAGTCTTAAAGTAGGATGCTG 419
Qy 489 CTGAAGTCATCATCAGCTTGAAGAACGACCTTGTATACAGATGAGAAGGAGATGCTGCT 548
Db 420 CTGAAGTCATCATCAGCTTGAAGAACGACCTTGTATACAGATGAGAAGGAGATGCTGCT 479
Qy 549 TTTTGTGCGGAGTGTCTCTATAGATGTTGTTCCACCTTAATGTTCAGGACCTTCTGGATA 608
Db 480 TTTTGTGCGGAGTGTCTCTATAGATGTTGTTCCACCTTAATGTTCAGGACCTTCTGGATA 539
Qy 609 TTTTACGGGAAAGAGGTAAGCTGTCTGCGGGGACTTGGCTGAACCTGCTACAGAGTGA 668
Db 540 TTTTACGGGAAAGAGGTAAGCTGTCTGCGGGGACTTGGCTGAACCTGCTACAGAGTGA 599
Qy 669 GCGATTTTGACCTGCTCAAGCTATCTTGAAGATGGACAGAAAGCTGTGGAGACCCACC 728
Db 600 GCGATTTTGACCTGCTCAAGCTATCTTGAAGATGGACAGAAAGCTGTGGAGACCCACC 659
Qy 729 TGCTCAGGAACCCCTCACCTTGTTCGGACTATAGAGTCTGATGCGAGAGATTTGTTGAGG 788
Db 660 TGCTCAGGAACCCCTCACCTTGTTCGGACTATAGAGTCTGATGCGAGAGATTTGTTGAGG 719
Qy 789 ATTTGGATAAATCTGATGTCTCTCATTAATTTTCTCATCAAGGATTTACATGGCCGAG 848
Db 720 ATTTGGATAAATCTGATGTCTCTCATTAATTTTCTCATCAAGGATTTACATGGCCGAG 779
Qy 849 GCAAGATAAGCAAGGAGAGAGTTTCTTTGGACCTTTGTTGAGTTGAGTTGAGAACTAAAT 908
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Qy 969 ACCTGAAGACAAAAATCCAGAAAGTACAGAGCTGTTTCAAGGAGCGGAGCAAGTTACA 1028
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Db 960 GGAATGTTCTCCAAGCAGCAATCCAAAAGAGTCTCAAGGATCCTTCAAACTTACAGGA 1019
Qy 1089 TGATAAC 1095
Db 1020 GCATACC 1026

RESULT 5
US-09-276-993-1
; Sequence 1, Application US/09276993
; Patent No. 6207801
; GENERAL INFORMATION:
; APPLICANT: Alnemri, Emad S.
; APPLICANT: Fernandez-Alnemri, Teresa
; TITLE OF INVENTION: FADD-LIKE ANTI-APOPTOTIC MOLECULES, METHODS OF
; TITLE OF INVENTION: USING THE SAME, AND COMPOSITIONS FOR AND METHODS
; TITLE OF INVENTION: OF MAKING THE SAME
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Woodcock, Washburn, Kurtz, Mackiewicz & No. 6207801ris
; STREET: One Liberty Place, 46th floor
; CITY: Philadelphia
; STATE: PA
; COUNTRY: USA
; ZIP: 19103
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: WINDOWS
; SOFTWARE: WordPerfect

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/276,993

FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/859,167

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Deluca, Mark

REGISTRATION NUMBER: 33,229

REFERENCE/DOCKET NUMBER: TJU-

TELECOMMUNICATION INFORMATION:

TELEPHONE: (215) 568-3100

TELEFAX: (215) 568-3439

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:

LENGTH: 1750 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: both

MOLECULE TYPE: cdna

FEATURE:

NAME/KEY: CDS

LOCATION: 413..1750

US-09-276-993-1

Query Match 73.5%; Score 1008.6; DB 4; Length 1750;

Best Local Similarity 99.5%; Pred. No. 5.5e-223;

Matches 1022; Conservative 0; Mismatches 4; Indels 1; Gaps 1;

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Oy 69 CGAGTCTCACTAAAGGACTCCGGAGCTAGGGTGGGACTCGGCTCACACAGTGA 128
Db 1 CGAGTCTCACTAAAGGACTCCGGAGCTAGGGTGGGACTCGGCTCACACAGTGA 60
Oy 129 GTGCCGGCTATTGGACTTTTGCAGTCACAGCTGAGCAACAAGCACCAGGAGGAGG 188
Db 61 GTGCCGGCTATTGGACTTTTGCAGTCACAGCTGAGCAACAAGCACCAGGAGGAGG 120
Oy 189 TGTAGGAGAGAGCCCGCAGAACGCGATCGCCAGCACCAGTCCGCTTCCAGGCTTTC 248
Db 121 TGTAGGAGAGAGCCCGCAGAACGCGATCGCCAGCACCAGTCCGCTTCCAGGCTTTC 180
Oy 249 GGTTCCTTGGCTTCCATCTTGGTGGCGCTTCCGGGCTCTAGGGAGCGGAGGCTGAGG 308
Db 181 GGTTCCTTGGCTTCCATCTTGGTGGCGCTTCCGGGCTCTAGGGAGCGGAGGCTGAGG 240
Oy 309 TGGACGGCGAGGAGTCCGGCCGCGACAGCAGCAACTCCCCACTGGAAGGATTCGTG 368
Db 241 TGGACGGCGAGGAGTCCGGCCGCGACAGCAGCAACTCCCCACTGGAAGGATTCGTG 300
Oy 369 AAGAAATGAAGTCAGCCCTCAGAAATGAAGTTGACTGCTGCTGGCTTTCTGTTGACT 428
Db 301 AAGAAATGAAGTCAGCCCTCAGAAATGAAGTTGACTGCTGCTGGCTTT-CTGTTGACT 359
Oy 429 GCGCGGAGCTGTACTGCAAGACCTTGTGAGCTTCCCTAGTCTTAAGAGTAGGATGCTG 488
Db 360 GCGCGGAGCTGTACTGCAAGACCTTGTGAGCTTCCCTAGTCTTAAGAGTAGGATGCTG 419
Oy 489 CTGAAGTCATCATCAGGTGAAGAGCAGTGTGATACAGATGAGAGGAGATGCTGCTCT 548
Db 420 CTGAAGTCATCATCAGGTGAAGAGCAGTGTGATACAGATGAGAGGAGATGCTGCTCT 479
Oy 549 TTTTGTCCGGGATGTTCTATAGATGTTGTTTCCACCTTAATGTACAGGACCTTCTGGATA 608
Db 480 TTTTGTCCGGGATGTTCTATAGATGTTGTTTCCACCTTAATGTACAGGACCTTCTGGATA 539
Oy 609 TTTTACGGGAAGAGGTAGTGTCTGTGCGGGAGCTTGGCTGAAGTCTCTACAGAGTGA 668
Db 540 TTTTACGGGAAGAGGTAGTGTCTGTGCGGGAGCTTGGCTGAAGTCTCTACAGAGTGA 599
Oy 669 GCGGATTTGACCTGCTCAAGCTATCTTGAAGATGGACAGAGAAAGCTGTGGAGACCCACC 728
Db 600 GCGGATTTGACCTGCTCAAGCTATCTTGAAGATGGACAGAGAAAGCTGTGGAGACCCACC 659
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Oy 729 TGCTCAGGAACCCCTCACCTTGTTCGGACTATAGAGTCTGATGCGCAGAGATTGGTGAGG 788
Db 660 TGCTCAGGAACCCCTCACCTTGTTCGGACTATAGAGTCTGATGCGCAGAGATTGGTGAGG 719
Oy 789 ATTTGGATAAATCTGATGTGCTCCTCATTAATTTTCTTCATCAAGGATTACATGGGCCAG 848
Db 720 ATTTGGATAAATCTGATGTGCTCCTCATTAATTTTCTTCATCAAGGATTACATGGGCCAG 779
Oy 849 GCAAGATAAGCAAGGAGAGAGATTCTTGGACCTTGTGCTGAGTTGGAGAACTTAAATTT 908
Db 780 GCAAGATAAGCAAGGAGAGAGATTCTTGGACCTTGTGCTGAGTTGGAGAACTTAAATTT 839
Oy 909 TGGTTGCCCCAGATCAACTGGATTATTAGAAAAATGCTTAAAGAACATCCACAGATAG 968
Db 840 TGGTTGCCCCAGATCAACTGGATTATTAGAAAAATGCTTAAAGAACATCCACAGATAG 899
Oy 969 ACCTGAAGACAAAAATCCAGAGTACAGAGTCTGTTCAAGGAGCAGGCAAGTTTACA 1028
Db 900 ACCTGAAGACAAAAATCCAGAGTACAGAGTCTGTTCAAGGAGCAGGCAAGTTTACA 959
Oy 1029 GGAATGTTCTCCAGCAGCAATCCAAAAAGAGTCTCAAGGATCCTTCAAAATACCTCAGGA 1088
Db 960 GGAATGTTCTCCAGCAGCAATCCAAAAAGAGTCTCAAGGATCCTTCAAAATACCTCAGGA 1019
Oy 1089 TGATAAC 1095
Db 1020 GCATACC 1026
```

RESULT 6

US-08-545-196B-10

; Sequence 10, Application US/08545196B

; Patent No. 6080577

; GENERAL INFORMATION:

; APPLICANT: MELKI, JUDITH

; TITLE OF INVENTION: SURVIVAL MOTOR NEURON (SMN) GENE: A GENE

; TITLE OF INVENTION: FOR SPINAL MUSCULAR ATROPHY

; NUMBER OF SEQUENCES: 65

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: BURCH, STEWART, KOLASCH AND BIRCH, LLP

; STREET: PO BOX 747

; CITY: FALLS CHURCH

; STATE: VA

; COUNTRY: USA

; ZIP: 22040-0747

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/545,196B

; FILING DATE: 19-OCT-1995

; CLASSIFICATION: 435

; ATTORNEY/AGENT INFORMATION:

; NAME: FARACI, C. J.

; REGISTRATION NUMBER: 32,350

; REFERENCE/DOCKET NUMBER: 2121-110P

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (703) 205-8000

; TELEFAX: (703) 205-8050

; INFORMATION FOR SEQ ID NO: 10:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 1582 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: double

; TOPOLOGY: linear

; MOLECULE TYPE: cdna

; US-08-545-196B-10

Query Match

5.8%; Score 79.4; DB 3; Length 1582;

RESULT 8
US-08-909-965C-7
; Sequence 7, Application US/08909965C
; Patent No. 5936078
; GENERAL INFORMATION:
; APPLICANT: Kuga Tetsuo
; APPLICANT: Nakagawa Satoshi
; APPLICANT: Sakaki yoshiyuki
; APPLICANT: Zhao Nanding
; APPLICANT: Hashida Hideji
; TITLE OF INVENTION: NOVEL DNA, NOVEL POLYPEPTIDE
; TITLE OF INVENTION: AND NOVEL ANTIBODY

CORRESPONDENCE ADDRESS:
 ADDRESSEE: FITZPATRICK, CELLA, HARPER AND SCINTO
 STREET: 277 Park Avenue
 CITY: New York
 STATE: New York
 COUNTRY: U.S.A.
 ZIP: 10172-0194
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/909,965C
 FILING DATE: August 12, 1997
 CLASSIFICATION: 514
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: JP 322745/95
 APPLICATION NUMBER: PCT/J896/03630
 FILING DATE: 12-No. 5936078-1995
 FILING DATE: 12-Dec-1996
 ATTORNEY/AGENT INFORMATION:
 NAME: Lawrence S. Perry
 REGISTRATION NUMBER: 31865
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 212-758-2400
 TELEFAX: 212-758-2982
 TELEX: 236262

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: INFORMATION FOR SEQ ID NO: 7:
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: SEQUENCE CHARACTERISTICS:
:   LENGTH: 3527 base pairs
:   TYPE: nucleic acid
:   STRANDEDNESS: double
:   TOPOLOGY: linear
:
: MOLECULE TYPE: cDNA to mRNA
:
: ORIGINAL SOURCE:
:
: ORGANISM: human
:
: IMMEDIATE SOURCE:
:   CLONE: F998
:   FEATURE:
:     NAME/KEY: CDS
:     LOCATION: 140 to 1084

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[illegible]


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RESULT 9
US-09-372-422A-19
: Sequence 19, Application US/09372422A
: Patent No. 6313375
: GENERAL INFORMATION:
: APPLICANT: Rudolf Jung
: APPLICANT: Francois Barrieu
: TITLE OF INVENTION: Maize Aquaporins and Uses Thereof
: FILE REFERENCE: 0919
: CURRENT APPLICATION NUMBER: US/09/372.422A
: CURRENT FILING DATE: 1999-08-11
: PRIOR APPLICATION NUMBER: US 60/098,692
: PRIOR FILING DATE: 1998-08-31
: NUMBER OF SEQ ID NOS: 49
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO 19
: LENGTH: 1454
: TYPE: DNA
: ORGANISM: Zea mays
: FEATURE:
: NAME/KEY: CDS
: LOCATION: (224)...(1112)
US-09-372-422A-19

Query Match          5.78; Score 78; DB 4; Length 1454;
Best Local Similarity 73.9; Pred. No. 5.4e-09;
Matches 99; Conservative 0; Mismatches 35; Indels 0; Gaps 0;

Qy 1240 CTGTATGTTAGATGCTTTCCAAATCTTTGTTACTACTATAATGCTATAAAATATAT 1299
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Qy 1300 CTTGTACTCTTAAATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 1359
      ||  ||  ||  ||  ||  ||  ||  ||  ||  ||  ||  ||  ||  ||  ||  ||
Db 1337 GCCATTACTTAAATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 1396

Qy 1360 AAAAAAAAAAAAAA 1373
      |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||
Db 1397 AAAAAAAAAAAAAA 1410

RESULT 10
US-08-821-994-63
: Sequence 63, Application US/08821994A
: Patent No. 6228643
: GENERAL INFORMATION:
: APPLICANT: Greenland, Andrew J
: APPLICANT: Thomas, Didier RP
: APPLICANT: Jepson, Ian
: TITLE OF INVENTION: Promoters
: FILE REFERENCE: PFD 50108
: CURRENT APPLICATION NUMBER: US/08/821.994A
: CURRENT FILING DATE: 1997-03-22
: EARLIER APPLICATION NUMBER: PCT/GB97/00729
: EARLIER FILING DATE: 1997-03-18
: EARLIER APPLICATION NUMBER: GB 9606062.9
: EARLIER FILING DATE: 1996-03-22
: NUMBER OF SEQ ID NOS: 89
: SOFTWARE: PatentIn Ver. 2.1
: SEQ ID NO 63
: LENGTH: 1441
: TYPE: DNA
: ORGANISM: Brassica napus
US-08-821-994-63

Query Match          5.68; Score 76.8; DB 4; Length 1441;
Best Local Similarity 62.58; Pred. No. 1e-08;
Matches 120; Conservative 0; Mismatches 72; Indels 0; Gaps 0;

Qy 1181 AATGATTAATCGTTTCATTTCTTAAATGCTTATAATGCTTTAGCCCTTTCTGTGC 1240
      |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||
Db 1250 ATTGATTCACCATAGGATTTAATCTGTATATAATCTCTATGCTTGGTCAATATCATTCAT 1309
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EARLIER FILING DATE: 1997-05-23
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EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,612
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,632
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,601
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/043,580
EARLIER FILING DATE: 1997-04-11
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EARLIER APPLICATION NUMBER: 60/043,569
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EARLIER APPLICATION NUMBER: 60/043,311
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EARLIER APPLICATION NUMBER: 60/043,671
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EARLIER APPLICATION NUMBER: 60/043,312
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EARLIER APPLICATION NUMBER: 60/043,313
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,672
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,315
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/048,974
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/056,886
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,877
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,889
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,893
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,630
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,878
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,662
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,872
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,882
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,637
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,903
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,888
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,879
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EARLIER APPLICATION NUMBER: 60/056,880
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,894
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,911
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EARLIER APPLICATION NUMBER: 60/056,636
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EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,864
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,631
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,845
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,892
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/057,761
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/047,595
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,599
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,588
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,585
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,586
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,590
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,594
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,589
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,593
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,614
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/043,578
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,576
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/047,501
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/043,670
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/056,632
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,664
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,876
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EARLIER APPLICATION NUMBER: 60/056,881
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,909
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,875
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,862
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/057,650
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,884
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/057,669
EARLIER FILING DATE: 1997-09-05
EARLIER APPLICATION NUMBER: 60/049,610
EARLIER FILING DATE: 1997-06-13
EARLIER APPLICATION NUMBER: 60/061,060
EARLIER FILING DATE: 1997-10-02

Query Match 5.5%; Score 75.6; DB 4; Length 2323;
Best Local Similarity 55.8%; Pred. No. 2.3e-08;
Matches 144; Conservative 0; Mismatches 114; Indels 0; Gaps 0;

Query Match 5.4%; Score 74.8; DB 4; Length 746;
Best Local Similarity 77.1%; Pred. No. 2.3e-08;
Matches 91; Conservative 0; Mismatches 27; Indels 0; Gaps 0;
QY 1256 TTTCCCAATCTTTGGTTACTACTAATAATGCTATAAAAATAAATAATCCTTGTACTTCTTAAA 1315

Query Match.	5.4%;	Score 74.2;	DB 3;	Length 2052;
Best Local Similarity	71.9%;	Pred. No. 5.2e-08;		
Matches 97;	Conservative	0;	Mismatches 38;	Indels 0; Gaps
Qy	1239	GCTGTATGTTTAGATGCTTTCCCAATCTTTTCTTACTATAATGCTATAAAATAAATA	1298	
Db	2424	GCTGGTATTTAAAGATGCTTGTAAATFACTATTATGTGTTTTTAAATTTTCTAAAAATAAGATT	2483	
Qy	1299	TCCTCTGACTCTTTAAA	1358	
Db	2484	TCCTTTTACCACTGGCAAA	2543	
Qy	1359	AAAAAAAAAAAAAAAAA	1373	
Db	2544	AAAAAAAAAAAAAAAAA	2558	
RESULT 14				

US-09-344-441-2
; Sequence 2, Application US/09344441
; Patent No. 6376651

GENERAL INFORMATION:

APPLICANT: Hillman, Jennifer L.
Corley, Neil C.
Yue, Henry

TITLE OF INVENTION: CAF1-RELATED PROTEIN

NUMBER OF SEQUENCES: 3

CORRESPONDENCE ADDRESSES:

ADDRESSEE: Incyte Pharmaceuticals, Inc.

STREET: 3174 Porter Dr.

CITY: Palo Alto

STATE: CA

COUNTRY: USA

ZIP: 94304

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

SOFTWARE: FastSeq for Windows Version 2.0

APPLICATION NUMBER: US/09/344.441

FILING DATE: 20-Feb-1998

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 09/027,137

FILING DATE: 1998-02-20

ATTORNEY/AGENT INFORMATION:

NAME: Billings, Lucy J.

REGISTRATION NUMBER: 36,749

REFERENCE/DOCKET NUMBER: PF-0476 US

TELECOMMUNICATION INFORMATION:

TELEPHONE: 650-855-0555

TELEFAX: 650-845-4166

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 2852 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

IMMEDIATE SOURCE:

LIBRARY: PROSNOT16

CLONE: 2229466

SEQUENCE DESCRIPTION: SEQ ID NO: 2:

US-09-344-441-2

Query Match 5.48; Score 74.2; DB 4; Length 2852;
Best Local Similarity 71.98; Pred. No. 5.2e-08;
Matches 97; Conservative 0; Mismatches 38; Indels 0; Gaps 0;

Qy 1239 GCTGTATCTTTAGATGCTTTCAATCTTTTGTACTACTATAATGCTATAATAATAATA 1298

Db 2424 GCTGTATTTAGATGCTTTGTAATACATTTATTTATTTTGTAAATAAAGATT 2483

Qy 1299 TCTTTGCTACTTCTTAAAAAATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 1358

Db 2484 TCTTTTAAACCACTGGCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 2543

Qy 1359 AAAAAAAAAAAAAA 1373

Db 2544 AAAAAAAAAAAAAA 2558

RESULT 15

US-07-867-106-2/c

; Sequence 2, Application US/07867106

; Patent No. 5389526

; GENERAL INFORMATION:

; APPLICANT: Slade, Martin B

; APPLICANT: Chang, Andy C M

; APPLICANT: Williams, Keith L

; TITLE OF INVENTION: Improved Plasmid Vectors for Cellular

TITLE OF INVENTION: Slime Moulds of the Genus Dictyostelium

NUMBER OF SEQUENCES: 19

CORRESPONDENCE ADDRESS:

ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & No. 5389526ris

STREET: One Liberty Place 46th Floor

CITY: Philadelphia

STATE: PA

COUNTRY: USA

ZIP: 19103

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC Compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/07/867.106

FILING DATE: 19920625

PRIOR APPLICATION DATA:

APPLICATION NUMBER: AU PJ 7187

APPLICATION NUMBER: PCT/AU90/00530

FILING DATE: 02-NOV-1989

ATTORNEY/AGENT INFORMATION:

NAME: Feeney, Joanne Longo

REGISTRATION NUMBER: 35,134

REFERENCE/DOCKET NUMBER: RICE-0002

TELECOMMUNICATION INFORMATION:

TELEPHONE: 215-568-3100

TELEFAX: 215-568-3439

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 5852 base pairs

TYPE: NUCLEIC ACID

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)

ANTI-SENSE: NO

FEATURE:

NAME/KEY: CDS

LOCATION: 2378..5038

FEATURE:

NAME/KEY: CDS

LOCATION: 2378..5038

US-07-867-106-2

Query Match 5.38; Score 73.2; DB 1; Length 5852;
Best Local Similarity 63.28; Pred. No. 1.1e-07;
Matches 129; Conservative 0; Mismatches 73; Indels 2; Gaps 1;

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Db 5795 TATACATTTTAAATGGTTATTAAATTTATTTATTTATTTGTTTATTTGTTTATATAT 5736

Qy 1230 TTTCTTGTGCTGATGTTTAGATGCTTTTCAATCTTTTGTACTACTAATAATGCTATA 1289

Db 5735 ATGTTATTTGTTGTTGTTTCTTTTACTATATATTTCTATTTT--TATTATAAATAAT 5678

Qy 1290 AATAAATAATCTTGTACTCTTAAATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 1349

Db 5677 AATTAAATTTTAAATAATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAATTTAAATTA 5618

Qy 1350 AAAAAAAAAAAAAAAAAAAAAA 1373

Db 5617 AAAAAAAAAAAAAAAAAATAAATA 5594

Search completed: April 12, 2003, 20:46:32

Job time : 52.7934 secs

GenCore version 5.1.4_p5_4578
Copyright (c) 1993 - 2003 Compugen Ltd.

OM protein - protein search, using sw model

Run on: April 12, 2003, 22:29:49 ; Search time 21.2268 Seconds
(without alignments)
1382.463 Million cell updates/sec

Title: US-09-380-546A-2
Perfect score: 2473
Sequence: 1 MSAEVHQVEALDTDEKEM.....EKYYVQLQHLTKKLLSYT 480

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 248812 seqs, 61136040 residues

Total number of hits satisfying chosen parameters: 248812

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications-AA:

- 1: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB pep.*
- 2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB pep.*
- 3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB pep.*
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- 13: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB pep.*
- 14: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	2468	99.8	480	10	US-09-861-270-2
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4	1580	63.9	481	10	US-09-410-194-12
5	1580	63.9	481	10	US-09-410-194-19
6	1568.5	63.4	484	9	US-10-005-921-2
7	1007	40.7	221	10	US-09-410-194-15
8	1007	40.7	221	10	US-09-410-194-22
9	465	18.8	93	10	US-09-864-761-36370
10	410	16.6	479	10	US-09-410-194-20
11	389	15.7	76	10	US-09-864-761-35073
12	381.5	15.4	496	10	US-09-952-768-4
13	370.5	15.0	476	10	US-09-954-697-27
14	323.5	13.1	521	10	US-09-962-834A-2
15	323.5	13.1	571	10	US-09-410-194-21
16	318.5	12.9	479	10	US-09-952-768-2
17	318.5	12.9	479	10	US-09-954-697-33
18	248	10.0	182	10	US-09-410-194-24
19	246.5	10.0	286	10	US-09-862-915-1

20	239	9.7	171	10	US-09-410-194-4	Sequence 4, Appli
21	234	9.5	169	10	US-09-410-194-2	Sequence 2, Appli
22	234	9.5	188	10	US-09-410-194-23	Sequence 23, Appli
23	204	8.2	250	9	US-10-068-564-48	Sequence 48, Appli
24	204	8.2	250	10	US-09-989-903-48	Sequence 48, Appli
25	198.5	8.0	169	10	US-09-410-194-5	Sequence 5, Appli
26	192	7.8	293	9	US-10-171-077-5	Sequence 5, Appli
27	192	7.8	293	10	US-09-954-697-21	Sequence 21, Appli
28	191.5	7.7	167	10	US-09-864-761-48728	Sequence 48728, A
29	185.5	7.5	177	10	US-09-410-194-7	Sequence 7, Appli
30	184	7.4	277	10	US-09-895-263-4	Sequence 4, Appli
31	181	7.3	264	9	US-10-103-448-3	Sequence 3, Appli
32	181	7.3	264	9	US-10-108-929-3	Sequence 3, Appli
33	181	7.3	277	10	US-09-954-697-12	Sequence 12, Appli
34	180	7.3	300	10	US-09-954-697-36	Sequence 36, Appli
35	177	7.2	451	10	US-09-888-243-28	Sequence 28, Appli
36	176.5	7.1	290	10	US-09-954-697-34	Sequence 34, Appli
37	175.5	7.1	435	10	US-09-954-697-9	Sequence 9, Appli
38	174	7.0	182	10	US-09-809-905-2	Sequence 2, Appli
39	172	7.0	285	10	US-09-954-697-35	Sequence 35, Appli
40	170.5	6.9	171	10	US-09-410-194-1	Sequence 1, Appli
41	170.5	6.9	171	10	US-09-410-194-13	Sequence 13, Appli
42	168	6.8	303	10	US-09-944-851-2	Sequence 2, Appli
43	168	6.8	303	10	US-09-954-697-24	Sequence 24, Appli
44	166	6.7	303	10	US-09-895-263-2	Sequence 2, Appli
45	155	6.3	165	10	US-09-410-194-6	Sequence 6, Appli

ALIGNMENTS

RESULT 1

US-09-861-270-2
; Sequence 2, Application US/09861270
; Patent No. US20020052474A1

GENERAL INFORMATION:

APPLICANT: Sul, Hong-Bing
Goeddel, David V.
TITLE OF INVENTION: Regulators of Apoptosis
NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
ADDRESSEE: Science & Technology Law Group
STREET: 75 Denise Drive
CITY: Hillsborough
STATE: California
COUNTRY: USA
ZIP: 94010

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/861.270

FILING DATE: 18-May-2001

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/795,088

FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: Osman, Richard A

REGISTRATION NUMBER: 36,627

REFERENCE/DOCKET NUMBER: T97-001

TELECOMMUNICATION INFORMATION:

TELEPHONE: (650) 343-4341

TELEFAX: (650) 343-4342

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 480 amino acids

TYPE: amino acid

STRANDEDNESS: not relevant

TOPOLOGY: not relevant

MOLECULE TYPE: peptide

```
Matches 479; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1 MSAEVHVEEALDTDEKEMLLFLCRDVAIDVPPNVRDLDLTLRERKLSVGDLAELLY 60
|||||
DB 1 MSAEVHVEEALDTDEKEMLLFLCRDVAIDVPPNVRDLDLTLRERKLSVGDLAELLY 60
|||||
QY 61 RVRFDLLKRLKMDRKAVETHLLRNPHLYSDYRVLMMAEIGEDLDKSDVSSSLIFLMKDYM 120
|||||
DB 61 RVRFDLLKRLKMDRKAVETHLLRNPHLYSDYRVLMMAEIGEDLDKSDVSSSLIFLMKDYM 120
|||||
QY 121 GRGKISKESKSFLLVVELEKLNLVAPDQLDLEKCLKNHRIHRLDKTKIKYKOSVOCAGT 180
|||||
DB 121 GRGKISKESKSFLLVVELEKLNLVAPDQLDLEKCLKNHRIHRLDKTKIKYKOSVOCAGT 180
|||||
QY 181 SYRNVLQAAATQKSLKDPSPNNFRLHNGRSKEQRLKEQLGAQOEPVKKSIOESEAFLOPIS 240
|||||
DB 181 SYRNVLQAAATQKSLKDPSPNNFRLHNGRSKEQRLKEQLGAQOEPVKKSIOESEAFLOPIS 240
|||||
QY 241 EERYKMKSKPLGICLIIDICIGNETELLRTDFTTSLGYEVQKFLHLSMHGISOILGQFACMP 300
|||||
DB 241 EERYKMKSKPLGICLIIDICIGNETELLRTDFTTSLGYEVQKFLHLSMHGISOILGQFACMP 300
|||||
QY 301 EHRDYDSFVCLVSRGSGSVYGVQDTHSGPLHRIHRRMFMGDCPYLAGKPKMFFIQNY 360
|||||
DB 301 EHRDYDSFVCLVSRGSGSVYGVQDTHSGPLHRIHRRMFMGDCPYLAGKPKMFFIQNY 360
|||||
QY 361 VSEGOLENSLLEVDGPAKNVFEKAKRGCLCTVHREADFFWSLCTADMSLLEQSHSSP 420
|||||
DB 361 VSEGOLENSLLEVDGPAKNVFEKAKRGCLCTVHREADFFWSLCTADMSLLEQSHSSP 420
|||||
QY 421 SLYVLOCSOKLROERKRLDLDLHIELNGYMDNSRVSAKEYYVWLQHTLRKKLILSYT 480
|||||
DB 421 SLYVLOCSOKLROERKRLDLDLHIELNGYMDNSRVSAKEYYVWLQHTLRKKLILSYT 480
|||||
```

RESULT 4

```
US-09-410-194-12
; Sequence 12, Application US/09410194
; Patent No. US20020095030A1
; GENERAL INFORMATION:
; APPLICANT: Tschopp, Jurg
; APPLICANT: Thome, Margot
; APPLICANT: Burns, Kimberly
; APPLICANT: Irmeler, Marten
; APPLICANT: Hahne, Michael
; APPLICANT: Schroter, Michael
; APPLICANT: Schneider, Pascal
; APPLICANT: Bodmer, Jean-Luc
; APPLICANT: Steiner, Veronique
; APPLICANT: Rimoldi, Donata
; APPLICANT: Hofmann, Kay
; APPLICANT: French, E. Lars
; TITLE OF INVENTION: FLIP GENES AND FLIP PROTEINS
; FILE REFERENCE: 11141-002001
; CURRENT APPLICATION NUMBER: US/09/410,194
; CURRENT FILING DATE: 1999-09-30
; PRIOR APPLICATION NUMBER: PCT/EP98/01857
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: GERMANY 197 13 393.2
; PRIOR FILING DATE: 1997-04-01
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12
; LENGTH: 481
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-410-194-12
```

Query Match 63.9%; Score 1580; DB 10; Length 481;
Best Local Similarity 66.9%; Pred. No. 8.9e-125;
Matches 322; Conservative 56; Mismatches 97; Indels 6; Gaps 4;

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QY 1 MSAEVHVEEALDTDEKEMLLFLCRDVAIDVPPNVRDLDLTLRERKLSVGDLAELLY 60
|||||
```

```
DB 6 VSAEVIHQVEECLDEDEKEMMLFLCRDVTENLAAPNVRDLDLSLSEKQSLSPATLAELLY 65
|||||
QY 61 RVRFDLLKRLKMDRKAVETHLLRNPHLYSDYRVLMMAEIGEDLDKSDVSSSLIFLMKDYM 120
|||||
DB 66 RVRFDLLKRLKMDRKATVEDHLLRNPHLYSDYRVLLMEIGESLDQNDVSSLVFLTRDVT 125
|||||
QY 121 GRGKISKESKSFLLVVELEKLNLVAPDQLDLEKCLKNHRIHRLDKTKIKYKOSVOCAGT 180
|||||
DB 126 GRGKIAKDSFLLVVELEKLNLIASDQLNLLEKCLKNHRIHRLDKTKIKYKOSOGA-R 184
|||||
QY 181 SYRNVLQAAATQKSLKDPSPNNFRLHNGRSKEQRLKEQLGAQOEPVKKSIOESEAFLOPIS 239
|||||
DB 185 SNMNTLQASLPKLSIK---YNSLQNGRSKEPRFVEYRDSQRTLVKTSIOESGAFPPHI 241
|||||
QY 240 PEERYKMKSKPLGICLIIDICIGNETELLRTDFTTSLGYEVQKFLHLSMHGISOILGQFACM 299
|||||
DB 242 REETRMQSKPLGICLIIDICIGNDKTYLOETFTSLGYHIQLFLFPKSHDITQIVRYASM 301
|||||
QY 300 PEHRDYDSFVCLVSRGSGSVYGVQDTHSGPLHRIHRRMFMGDCPYLAGKPKMFFIQN 359
|||||
DB 302 AQHODYDSFVCLVSRGSGSOMGRDOVHSGFSLDHVKNMFTDGTCPSLRGKPKLFFION 361
|||||
QY 360 YVSEGOLENSLLEVDGPAKNVFEKAKRGCLCTVHREADFFWSLCTADMSLLEQSHSS 419
|||||
DB 362 YESLGSQLEDS--LEVDPGSIKNVDSKPLQPRCHCTTHPEADIFWSLCTADVSHLEKPS 420
|||||
QY 420 PSYVLOCSOKLROERKRLDLDLHIELNGYMDNSRVSAKEYYVWLQHTLRKKLILSY 479
|||||
DB 421 SSVYLOCSOKLROGRRLDLDLHVELMDKVYAWNSGVSSKEYYSLSQHTLRKKLILAP 480
|||||
QY 480 T 480
DB 481 T 481
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RESULT 5

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US-09-410-194-19
; Sequence 19, Application US/09410194
; Patent No. US20020095030A1
; GENERAL INFORMATION:
; APPLICANT: Tschopp, Jurg
; APPLICANT: Thome, Margot
; APPLICANT: Burns, Kimberly
; APPLICANT: Irmeler, Marten
; APPLICANT: Hahne, Michael
; APPLICANT: Schroter, Michael
; APPLICANT: Schneider, Pascal
; APPLICANT: Bodmer, Jean-Luc
; APPLICANT: Steiner, Veronique
; APPLICANT: Rimoldi, Donata
; APPLICANT: Hofmann, Kay
; APPLICANT: French, E. Lars
; TITLE OF INVENTION: FLIP GENES AND FLIP PROTEINS
; FILE REFERENCE: 11141-002001
; CURRENT APPLICATION NUMBER: US/09/410,194
; CURRENT FILING DATE: 1999-09-30
; PRIOR APPLICATION NUMBER: PCT/EP98/01857
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: GERMANY 197 13 393.2
; PRIOR FILING DATE: 1997-04-01
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 19
; LENGTH: 481
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-410-194-19
```

Query Match 63.9%; Score 1580; DB 10; Length 481;
Best Local Similarity 66.9%; Pred. No. 8.9e-125;
Matches 322; Conservative 56; Mismatches 97; Indels 6; Gaps 4;

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QY 1 MSAEVHVEEALDTDEKEMMLFLCRDVAIDVPPNVRDLDLTLRERKLSVGDLAELLY 60
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Db 6 VSAEVIHOVEECLDEDEKEMFLFCRDVTENLAAPNVRDLDSLSEKQSLFATLAEALLY 65
Qy 61 RVRFDLLKRLKMDKRAVETHLLRNPHLVSDYRVLMAEIGEDLDKSDVSLIFLMKDYM 120
Db 66 RVRFDLLKRLKMDKRAVETHLLRNPHLVSDYRVLMAEIGEDLDKSDVSLIFLMKDYM 125
Qy 121 GRGKISKEKSFELDLVVELEKLNVAPODLLEKLNHRIIDLKTKIYKQVQAGT 180
Db 126 GRGKIAKDKSFELDLVVELEKLNVAPODLLEKLNHRIIDLKTKIYKQVQAGT 184
Qy 191 SYRNVLAQAIQK-SLKDPSNNFRLHNGSKSEORLKEQLGAQOEPVKYSIQSEAFPLP 239
Db 185 SNMNTLAQSLPKLSIK---YNSRLQNGSKSEPRFEYRDSDORTLVKTSIQSGAFPLP 241
Qy 240 PEERYKMKSPGLCLIIDICIGNETELLDFTSLGVEVQKFLHLSMHGISOILGQACM 299
Db 242 REETRYMQSKPLGCLIIDICIGNETELLDFTSLGVEVQKFLHLSMHGISOILGQACM 301
Qy 300 PEHRDYSDFVCVLYSRGSSQSVYGDQTHSGPLHRIHRRMFMGDSQVYLAGKPKMFFQ 359
Db 302 AOHQDYDSFACVLYSLGSSQSMGRDQVHSGFSLDHVKNMFTGDTCPSLRCKPKLFF 361
Qy 360 YVSEGLQSLSSLEVDGPKMKNVEFAKRGCLCTVHREADFWSLCTADVSHLEKPS 419
Db 362 YESLGSQLEDS-LEVDPGSKKNVDSKPLQPRHCTHPEADIFWSLCTADVSHLEKPS 420
Qy 420 PSLVYLQSLQKLRERKPLDLHLIELNGYMDNSRVSAREKYYVNLQHTLRKLLSY 479
Db 421 SSVLYLQSLQKLRERKPLDLHLIELNGYMDNSRVSAREKYYVNLQHTLRKLLSY 480
Qy 480 T 480
Db 481 T 481

RESULT 6
US-10-005-921-2
; Sequence 2, Application US/10005921
; Patent No. US20020174450A1
; GENERAL INFORMATION:
; APPLICANT: Allen, Keith D.
; APPLICANT: Leviten, Michael W.
; TITLE OF INVENTION: TRANSGENIC MICE CONTAINING CASH GENE
; FILE REFERENCE: R-714
; CURRENT APPLICATION NUMBER: US/10/005,921
; PRIOR FILING DATE: 2001-12-04
; PRIOR APPLICATION NUMBER: US 60/254,902
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 484
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-005-921-2

Query Match 63.4%; Score 1568.5; DB 9; Length 484;
Best Local Similarity 66.5%; Pred. No. 8.3e-124;
Matches 322; Conservative 56; Mismatches 97; Indels 9; Gaps 5;
Qy 1 MSAEVIHOVEECLDEDEKEMFLFCRDVAIDVPPNVRDLDDLRLRERKLSVGDLAELLY 60
Db 6 VSAEVIHOVEECLDEDEKEMFLFCRDVTENLAAPNVRDLDSLSEKQSLFATLAEALLY 65
Qy 61 RVRFDLLKRLKMDKRAVETHLLRNPHLVSDYRVLMAEIGEDLDKSDVSLIFL---MK 117
Db 66 RVRFDLLKRLKMDKRAVETHLLRNPHLVSDYRVLMAEIGEDLDKSDVSLIFLTRITR 125
Qy 118 DYMGRGKISKEKSFELDLVVELEKLNVAPODLLEKLNHRIIDLKTKIYKQVQAGT 177
Db 126 DYTGRGKIAKDKSFELDLVVELEKLNVAPODLLEKLNHRIIDLKTKIYKQVQAGT 185

Qy 178 AGTYRNVLAQAIQK-SLKDPSNNFRLHNGSKSEORLKEQLGAQOEPVKYSIQSEAFPLP 236
Db 186 A-RNMNTLAQSLPKLSIK---YNSRLQNGSKSEPRFEYRDSDORTLVKTSIQSGAFPLP 241
Qy 237 OSIFEERYKMKSPGLCLIIDICIGNETELLDFTSLGVEVQKFLHLSMHGISOILGQ 296
Db 242 PHIREETRYMQSKPLGCLIIDICIGNETELLDFTSLGVEVQKFLHLSMHGISOILGQ 301
Qy 297 ACMEPHRDYSDFVCVLYSRGSSQSVYGDQTHSGPLHRIHRRMFMGDSQVYLAGKPKMFF 356
Db 302 ASMAHQDYDSFACVLYSLGSSQSMGRDQVHSGFSLDHVKNMFTGDTCPSLRCKPKLFF 361
Qy 357 IONTVWSEGLQSLSSLEVDGPKMKNVEFAKRGCLCTVHREADFWSLCTADVSHLEKPS 416
Db 362 IONTVWSEGLQSLSSLEVDGPKMKNVEFAKRGCLCTVHREADFWSLCTADVSHLEKPS 420
Qy 417 HSSPSLYLQSLQKLRERKPLDLHLIELNGYMDNSRVSAREKYYVNLQHTLRKLLSY 476
Db 421 SSVLYLQSLQKLRERKPLDLHLIELNGYMDNSRVSAREKYYVNLQHTLRKLLSY 480
Qy 477 LSYT 480
Db 481 LAPT 484

RESULT 7
US-09-410-194-15
; Sequence 15, Application US/09410194
; Patent No. US20020095030A1
; GENERAL INFORMATION:
; APPLICANT: Tschoopp, Jurg
; APPLICANT: Thome, Margot
; APPLICANT: Burns, Kimberly
; APPLICANT: Immler, Marten
; APPLICANT: Hanne, Michael
; APPLICANT: Schroter, Michael
; APPLICANT: Schneider, Pascal
; APPLICANT: Bodmer, Jean- Luc
; APPLICANT: Steiner, Veronique
; APPLICANT: Rimoldi, Donata
; APPLICANT: Hofmann, Kay
; APPLICANT: French, E. Lars
; TITLE OF INVENTION: FLIP GENES AND FLIP PROTEINS
; FILE REFERENCE: 11141-002001
; CURRENT APPLICATION NUMBER: US/09/410,194
; CURRENT FILING DATE: 1999-09-30
; PRIOR APPLICATION NUMBER: PCT/EP98/01857
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: GERMANY 197 13 393.2
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15
; LENGTH: 221
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-410-194-15

Query Match 40.7%; Score 1007; DB 10; Length 221;
Best Local Similarity 99.5%; Pred. No. 4.3e-77;
Matches 202; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MSAEVIHOVEECLDEDEKEMFLFCRDVAIDVPPNVRDLDDLRLRERKLSVGDLAELLY 60
Db 1 MSAEVIHOVEECLDEDEKEMFLFCRDVAIDVPPNVRDLDDLRLRERKLSVGDLAELLY 60
Qy 61 RVRFDLLKRLKMDKRAVETHLLRNPHLVSDYRVLMAEIGEDLDKSDVSLIFLMKDYM 120
Db 61 RVRFDLLKRLKMDKRAVETHLLRNPHLVSDYRVLMAEIGEDLDKSDVSLIFLMKDYM 120
Qy 121 GRGKISKEKSFELDLVVELEKLNVAPODLLEKLNHRIIDLKTKIYKQVQAGT 180

Query Match	18.8%	Score 465;	DB 10;	Length 93;
Best Local Similarity	100.0%;	Prod. No. 4.6e-32;		
Matches 93;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	1	MSAEVIHOVEALDTDEKEMLLFLCROVAIDVPPNVNRDLIDLFRERKLSVGDLAELLY	60	
Db	1	MSAEVIHOVEALDTDEKEMLLFLCROVAIDVPPNVNRDLIDLFRERKLSVGDLAELLY	60	

```
RESULT 10
US-09-410-194-20
; Sequence 20, Application US/09410194
; Patent No. US20020095030A1
; GENERAL INFORMATION:
; APPLICANT: Tschopp, Jurg
; APPLICANT: Thome, Margot
; APPLICANT: Burns, Kimberly
; APPLICANT: Irmeler, Marten
; APPLICANT: Hahne, Michael
; APPLICANT: Schroter, Michael
; APPLICANT: Schneider, Pascal
; APPLICANT: Bodmer, Jean- Luc
; APPLICANT: Steiner, Veronique
; APPLICANT: Rimoldi, Donata
; APPLICANT: Hofmann, Kay
; APPLICANT: French, E. Lars
; TITLE OF INVENTION: FLIP GENES AND FLIP PROTEINS
; FILE REFERENCE: 11141-002001
; CURRENT APPLICATION NUMBER: US/09/410,194
; CURRENT FILING DATE: 1999-09-30
; PRIOR APPLICATION NUMBER: PCT/EP98/01857
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: GERMANY 197 13 393.2
; PRIOR FILING DATE: 1997-04-01
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 20
; LENGTH: 479
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-410-194-20

Query Match      16.6%   Score 410;   DB 10;   Length 479;
Best Local Similarity 26.1%   Pred. No. 1.9e-26;
Matches 137;   Conservative 106;   Mismatches 172;   Indels 110;   Gaps 22;

Qy  6  IHQVEALDTDEKEMILFLACRDVAIDVVPN---VRDLDI---LREKSLVGDIA-- 56
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db  7  LYDIGEOLDSLASLFL---SLDIPQKQEPKIDALMLFORLQEKRMLESLSFL 62

Qy  57 -ELAYRVRRLKRLKMKAVETHLLRNP--HLVSDYRVLMAEIGEDLKDSDVSLI 113
    ||||| : ||| : : : : : : : : : : : : : : : : : : : : : :
Db  63 KELLFRINRLDLLTYLNTREEMERE-LQTPGQAQISAYRMVLIQISEVSRSELRSFK 121

Qy  114 FLMDYMGKRIKSEKSFLLDVLVELEKLNVLAPDQLDLLEKLNHRLDKTKIYKQ 173
    ||| : : : : : : : : : : : : : : : : : : : : : : : : :
Db  122 FLAQEISKCKLDDMLLDIFIEKRVILGEGKLDILKRVCAQINKSLKI-INDYEE 180

Qy  174 -----SVQAGAGTSYRNVLQAAQTKSLKDPNNFRLHNGSKSEORLKEQLGAQOEPVK 226
    : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db  181 FSKERSSSLEGSPDEFSGELCGVMTISDSPRE-----NETEL--- 214

Qy  227 SIOSEAFLOSIPEERYKMKSLPLGICLLIDCIG-----NETEL--- 266
    : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db  215 ---QDSF---QTL-DKVIQMKSRGKRGVCLINNFNFAKAREKVPKLSIRDNRGTHLDAG 268

Qy  267 -LRDTFTSLGYEVQKFLHLSHHGSIQILGOFACMPHEHDYDSFVCLVSRGSGSVYGV 325
    ||| : : : : : : : : : : : : : : : : : : : : : : : :
Db  269 ALTTTFEELHEIRPHDDCTVEQIYEILKIYQLM-DHSNMDCFICILSHGDKGIIVGTD 327

Qy  326 QTHSGPLHHTRRFMGDCSPYLAGKPKMFFIQ-----NY---VSEGOLENSLLEVD- 376
    : : : : : : : : : : : : : : : : : : : : : : : : : :
Db  328 GOEA--PIYELTSTQFTGLKCPCLAGKPKVFFIQACQDGNQKGPVETDSEQPYLEMDL 385

Qy  377 -GPAKKNVEFRAQRGLCTVHREDFWLSLCTADMSLLEQSHSPSLYLQCLSKLQOE- 434
    : : : : : : : : : : : : : : : : : : : : : : : : : :
Db  386 SSPQTRIP-----DEADFLIGMATVNCVSYRNPAEGTWYIOSLCSLRERC 433

Qy  435 -RKRPPLDLHTLNGMYDMNSVSAKE--KYVYVWLQHTLRKKLI 476
    : : : : : : : : : : : : : : : : : : : : : : : :
Db  434 PRGDDILTILTEVN---YEVSNKDDKNMGKQMPQPTFTLRKKLY 475

RESULT 11
US-09-864-761-35073
; Sequence 35073, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL
; FILE REFERENCE: Aeomica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Anncmax Sequence Listing Engine vers. 1.1
; SEQ ID NO 35073
; LENGTH: 76
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC007283.3
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 2.3
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 3.1
; OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 2.4
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 2.7
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 3.8
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 2.8
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 5.4
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.6
; OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 3.6
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 5.9
; OTHER INFORMATION: EST_HUMAN HIT: A1139524.1, EVALUATE 2.00e-38
US-09-864-761-35073

Query Match      15.7%   Score 389;   DB 10;   Length 76;
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Db 240 NFAKAREKVPKLSIRDNRNGTHLDAGALTTFEELHFEIKPHDCTVBOIYEILKIYOLM 299
Qy 300 PEHRDYSFVCLVSRGSSQSVYGVDOHQTHSLPLHHRMFMGDCSPYLAGKPKMFFIQ- 358
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Qy 359 ----NY-----VYSEGOLENSLSLEVD--GPAMKNVEFKAQRGLCTVHREADFWSLCTAD 409
Db 357 COGNYQKGIPEVTDSEOPYLEMDLSPQTRYIP-----DEADFLLGMATVN 404
Qy 410 MSLEQSHSSPSLYLQCSLQKROE--RKRPLLDLHIELNGYMYDWNRSVSAKE--KYVV 465
Db 405 NCVSYRNPAECTWTIOSLQSLRRCRPGDDILTLTEVN---YEVSNKDKKNGKOMP 461
Qy 466 WLOHTLRKKLI 476
Db 462 OPTETLRKKLV 472

RESULT 14
; Sequence 2, Application US/09962834A
; Patent No. US20020034813A1
; GENERAL INFORMATION:
; APPLICANT: Bowman, Michael
; TITLE OF INVENTION: NOVEL PROTEASE
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genetics Institute, Inc.
; STREET: 87 CambridgePark Drive
; CITY: Cambridge
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02140
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/962,834A
; FILING DATE: 25-Sep-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/675,123
; FILING DATE: 1996-07-03
; ATTORNEY/AGENT INFORMATION:
; NAME: Brown, Scott A.
; REGISTRATION NUMBER: 32,724
; REFERENCE/DOCKET NUMBER: G15276
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 498-8224
; TELEFAX: (617) 876-3851
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 521 amino acids
; TYPE: amino acid
; STRANDEDNESS: <Unknown>
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-962-834A-2
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Best Local Similarity 26.98; Pred. No. 4.1e-19;
Matches 131; Conservative 77; Mismatches 204; Indels 75; Gaps 19;
Qy 9 VEEALDTDEKEMLLFLCRDVAIDVVP-----PNVRDLDLILRERKLSVGD---LAEL 58
Db 27 IDSLNGLVQDVENLKFLC-----IGLVPNKKLEKSSASDVFEHLAEDLLSEDPFFLAEL 82
Qy 59 LYRVRFDLLKRLKMDRKAVETHLLRNPHLVSDYRVLMAEIGEDLQKSDVSSLIIFLMKO 118
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Qy 119 YMGGRKTSKESKFDLVVELEKLNLYVADQDLLE-----KCLKNHRIIDLKTKIQ- 169
Db 141 SLPK-----TENTSLSFLAFLEKQKQKIDEDNLTCLDLCKTVVVKLLRNIEKYKREKAIOI 196
Qy 170 -----KYKQSVQV-----AGTSYRNVLQAAIOKSLKDP-----SNNFRLHNGRSKQRLKE 215
Db 197 VTPPVKREAESYQEEELVSQTDVKTFLLEALPQESQWQKNHAGSNGNRATNG-APSLVSRG 255
Qy 216 QLGAAQPEVKKSIOESEAFIPQSIPEERYKMKSPKLGICLI-----DCIG--NET 264
Db 256 MQGASANTLNSSETSKRAAV-----YRMRNRHRLGCLVIVNNHSTFTSLADROCTHKDA 307
Qy 265 ELLRDTFTSLGYEQKFLHLSMHGISOILGQFACMPEHRDYDSFVCLVSRGSSQSVYGV 324
Db 308 EILSHVFWMLGFTVHHNNVTKMEMVMVLOKONPAHADGCFVFCILTHGRFGAVYSS 367
Qy 325 DQTHSGLPLHHRMFMGDCSPYLAGKPKMFFIYNYVYVSEG-OLENSLSLEVDGPAMKNV 383
Db 368 DE--ALIPREIMSHFTALQCPRLAEKPKLFFIQ---ACQGEETQPSVSIADALNPEQA 422
Qy 384 EFKAQKRGCLTVHREADFWSLCTADMSLLEQSHSSPSLYLQCSLQKLRQ--ERRKRPLLD 441
Db 423 PTLQD-----SIPAEADFLGLATVPGYVSPRHVEEGSMYIQLCNHLKLVPRMLKFLLE 478
Qy 442 LHIELNG 448
Db 479 KTMEIRG 485

RESULT 15
US-09-410-194-21
; Sequence 21, Application US/09410194
; Patent No. US20020095030A1
; GENERAL INFORMATION:
; APPLICANT: Tschopp, Jurg
; APPLICANT: Thome, Margot
; APPLICANT: Burns, Kimberly
; APPLICANT: Imler, Marten
; APPLICANT: Hahne, Michael
; APPLICANT: Schneider, Pascal
; APPLICANT: Bodmer, Jean-Luc
; APPLICANT: Steiner, Veronique
; APPLICANT: Rimoldi, Donata
; APPLICANT: Hofmann, Kay
; APPLICANT: French, E. Lars
; TITLE OF INVENTION: FLIP GENES AND FLIP PROTEINS
; FILE REFERENCE: 11141-002001
; CURRENT APPLICATION NUMBER: US/09/410,194
; CURRENT FILING DATE: 1999-09-30
; PRIOR APPLICATION NUMBER: PCT/EP98/01857
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: GERMANY 197 13 393.2
; PRIOR FILING DATE: 1997-04-01
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 21
; LENGTH: 571
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-410-194-21
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Query Match 13.18; Score 323.5; DB 10; Length 571;
Best Local Similarity 26.98; Pred. No. 4.6e-19;
Matches 131; Conservative 77; Mismatches 204; Indels 75; Gaps 19;
Qy 9 VEEALDTDEKEMLLFLCRDVAIDVVP-----PNVRDLDLILRERKLSVGD---LAEL 58
Db 27 IDSLNGLVQDVENLKFLC-----IGLVPNKKLEKSSASDVFEHLAEDLLSEDPFFLAEL 82
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Db 83 LYTIROKLLQH-LNCTKEVE-RLLPTRQVSLFRNLLYELSEGIDSENLMKDMIFLLKD 140
QY 119 YMGGRKISKEKSPDLWVELEKLNVLVAPQDLLE-----KCLKNIHRIIDLTKIQ- 169
Db 141 SLPK-----TEMTSLSFLAFLEKOGKDEDNLCTLEDLCKTVVPKLLRNIEKYKREKAIQI 196
QY 170 -----KYKQVOG-----AGTSYRNVLQAAIQSLKDP---SNNFRLHNGRSKEORLKE 215
Db 197 VTPPVDKAEASYOGEEELVSQTDVKTFLPALPOESQNKHAGSNGNRATNG-APSLVSRG 255
QY 216 OLCAQOEYPYKKSIOESEAFLPQSIPEERYKMKSKPLGICLII-----DCIG--NET 264
Db 256 MOGASANTLNSETSTKRAAV-----YMNHNHRLGCLVIVNNHSFTSLKDRQGTBKDA 307
QY 265 ELLRDFTTSLGYEVQKFLHLSMHGISOILGOFACMPEHRDYDSFVCLVLSRGGSSQSVYGV 324
Db 308 EILSHVFWLGFVTHIHNVTVMEMWLVQKQKCNPAHADGDCFVFCILTHGREGAVYS 367
QY 325 DQTHSGLPLHHIRRMFMGDSQPYLACKPKMFFIONTYVYVSEG-OLENSSLLEVDGPAMKNV 383
Db 368 DE--ALIPREIMSHFTALQCPRLAEKPKLFFIQ---ACQGEIOPSVSTEADALNPEQA 422
QY 384 EFKAQKRGCLTVHREADFFWSLCTADMSLLEQSHSSPSLYLQCLSKLRQ--ERKRPLLD 441
Db 423 PTSLOD-----SIPAEADFLGLATVPGYVSFRHVEEGSWYIOSLCNHLKRLVPRMLKFLE 478
QY 442 LHIELNG 448
Db 479 KTMIEIRG 485

Search completed: April 12, 2003, 22:40:49
Job time : 22.2268 secs

GenCore version 5.1.4_p5_4578
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OM protein - protein search, using sw model

Run on: April 12, 2003, 20:50:13 ; Search time 19.8573 Seconds
(without alignments)
711.223 Million cell updates/sec

Title: US-09-380-546A-2
Perfect score: 2473
Sequence: 1 MSAEVIHQVEALDTDEKEM.....EKYVWVLTQLTKKLLSYT 480

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0
Maximum DB seq length: 2000000000
Post-processing: Minimum Match 08
Maximum Match 1008
Listing first 45 summaries

Database : Issued Patents.AA.*
1: /cgn2_6/ptodata/1/1aa/5A.COMB.pep.*
2: /cgn2_6/ptodata/1/1aa/5B.COMB.pep.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Query	Score	Match	Length	ID	Description
1	2468	99.8	480	4	US-08-795-088A-2	Sequence 2, Appli
2	2412	97.5	480	4	US-09-069-023-34	Sequence 34, Appli
3	2265.5	91.6	445	3	US-08-859-167-2	Sequence 2, Appli
4	2265.5	91.6	445	3	US-09-109-273-2	Sequence 2, Appli
5	2265.5	91.6	445	4	US-09-276-993-2	Sequence 2, Appli
6	1007	40.7	221	4	US-09-382-155-17	Sequence 17, Appli
7	1007	40.7	221	4	US-09-074-044A-17	Sequence 17, Appli
8	417	16.9	84	4	US-09-074-044A-2	Sequence 2, Appli
9	410	16.6	479	4	US-08-983-502-7	Sequence 7, Appli
10	410	16.6	479	5	PCT-US96-10521-7	Sequence 7, Appli
11	408	16.5	479	2	US-08-807-200-12	Sequence 12, Appli
12	408	16.5	479	4	US-09-001-777-12	Sequence 12, Appli
13	406	16.4	479	3	US-08-852-782-3	Sequence 3, Appli
14	404.5	16.4	464	4	US-08-983-502-18	Sequence 18, Appli
15	404.5	16.4	464	5	PCT-US96-10521-18	Sequence 18, Appli
16	403	16.3	84	4	US-09-382-155-2	Sequence 2, Appli
17	403	16.3	479	4	US-09-382-155-28	Sequence 28, Appli
18	403	16.3	479	4	US-09-074-044A-27	Sequence 27, Appli
19	403	16.3	479	4	US-09-074-044A-28	Sequence 28, Appli
20	400	16.2	479	4	US-09-074-044A-26	Sequence 26, Appli
21	397	16.1	479	4	US-09-382-155-27	Sequence 27, Appli
22	392	15.9	479	4	US-09-382-155-26	Sequence 26, Appli
23	384	15.5	78	4	US-09-382-155-1	Sequence 1, Appli
24	384	15.5	78	4	US-09-074-044A-1	Sequence 1, Appli
25	381.5	15.4	496	1	US-08-665-220-4	Sequence 4, Appli
26	381.5	15.4	496	4	US-09-291-692-4	Sequence 4, Appli
27	370.5	15.0	476	4	US-09-561-756-27	Sequence 27, Appli

28	370.5	15.0	476	4	US-09-227-721-27	Sequence 27, Appli
29	329	13.3	389	2	US-08-618-408B-4	Sequence 4, Appli
30	318.5	12.9	479	1	US-08-665-220-2	Sequence 2, Appli
31	318.5	12.9	479	4	US-09-291-692-2	Sequence 2, Appli
32	318.5	12.9	479	4	US-09-561-756-33	Sequence 33, Appli
33	318.5	12.9	479	4	US-09-227-721-33	Sequence 33, Appli
34	274	11.1	335	4	US-08-983-502-16	Sequence 16, Appli
35	274	11.1	335	5	PCT-US96-10521-16	Sequence 16, Appli
36	246.5	10.0	286	4	US-09-360-017-1	Sequence 1, Appli
37	231.5	9.4	241	4	US-09-382-155-21	Sequence 21, Appli
38	231.5	9.4	241	4	US-09-074-044A-21	Sequence 21, Appli
39	230.5	9.3	346	2	US-08-618-408B-2	Sequence 2, Appli
40	225.5	9.1	277	4	US-08-983-502-8	Sequence 8, Appli
41	225.5	9.1	277	5	PCT-US96-10521-8	Sequence 8, Appli
42	224.5	9.1	266	4	US-08-983-502-20	Sequence 20, Appli
43	224.5	9.1	266	5	PCT-US96-10521-20	Sequence 20, Appli
44	220	8.9	261	4	US-08-983-502-25	Sequence 25, Appli
45	220	8.9	261	5	PCT-US96-10521-25	Sequence 25, Appli

ALIGNMENTS

RESULT 1
US-08-795-088A-2
; Sequence 2, Application US/08795088A
; Patent No. 6242569
; GENERAL INFORMATION:
; APPLICANT: Sul, Hong-Bing
; APPLICANT: Goedel, David V.
; TITLE OF INVENTION: Regulators of Apoptosis
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Science & Technology Law Group
; STREET: 75 Denise Drive
; CITY: Hillsborough
; STATE: California
; COUNTRY: USA
; ZIP: 94010
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/795,088A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Osman, Richard A
; REGISTRATION NUMBER: 36,627
; REFERENCE/DOCKET NUMBER: T97-001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 343-4341
; TELEFAX: (650) 343-4342
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 480 amino acids
; TYPE: amino acid
; STRANDEDNESS: not relevant
; TOPOLOGY: not relevant
; MOLECULE TYPE: peptide
US-08-795-088A-2

Query Match 99.8%; Score 2468; DB 4; Length 480;
Best Local Similarity 99.8%; Pred No. 1e-230;
Matches 479; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
QY 1 MSAEVIHQVEALDTDEKEMLLFLCRDVAIDVPPNVRDLDIRERKGLSVGDLAEELY 60
Db 1 MSAEVIHQVEALDTDEKEMLLFLCRDVAIDVPPNVRDLDIRERKGLSVGDLAEELY 60
QY 61 RVRFRDLKRLKMKDKRKAVETHLLRNPHLVSDYRVLMAEIGEDLDKSDVSSLIFLMKDYM 120

Db 61 RVRFDLLKRLKMDRAVETHLLRNPHLVSDYRVLMAEIGEDLDKSDVSSLIPLMKDYM 120
QY 121 GRGKISKEKSFLLVVELEKLNVLVAPDQDLLEKLNKNIHRIDLTKTKIYKOSVOGAGT 180
Db 121 GRGKISKEKSFLLVVELEKLNVLVAPDQDLLEKLNKNIHRIDLTKTKIYKOSVOGAGT 180
QY 181 SYRNVLAQAATOKSLKDPNNFRLHNGRSKEORLEQAGQOEVPVKKSIOESEAFPLQPSIP 240
Db 181 SYRNVLAQAATOKSLKDPNNFRLHNGRSKEORLEQAGQOEVPVKKSIOESEAFPLQPSIP 240
QY 241 EERYKMKSKPLGICLLIDICIGNETELLRTDFTSLGVEVQKFLHLSMHGISOILGQFACMP 300
Db 241 EERYKMKSKPLGICLLIDICIGNETELLRTDFTSLGVEVQKFLHLSMHGISOILGQFACMP 300
QY 301 EHRDYDSFVCLVSRGSGSVYGVQDTHSGPLHHRMFMGDSQPCYLAGKPKMFFIQNY 360
Db 301 EHRDYDSFVCLVSRGSGSVYGVQDTHSGPLHHRMFMGDSQPCYLAGKPKMFFIQNY 360
QY 361 VVSEGOLENSLLEVDGPAKNVFEKAKRGCLCTVHREADFFWSLCTADMSLLEQSHSSP 420
Db 361 VVSEGOLENSLLEVDGPAKNVFEKAKRGCLCTVHREADFFWSLCTADMSLLEQSHSSP 420
QY 421 SLYLQCLSQKLRQERRRPLDLHLIELNGYMYDNWSRVSAKEKYVWLOHTLRKKLILSYT 480
Db 421 SLYLQCLSQKLRQERRRPLDLHLIELNGYMYDNWSRVSAKEKYVWLOHTLRKKLILSYT 480

RESULT 2
US-09-069-023-34
; Sequence 34, Application US/09069023A
; Patent No. 6348573
; GENERAL INFORMATION:
; APPLICANT: Nunez, Gabriel
; APPLICANT: Inohara, Naohiro
; APPLICANT: Koseki, Takeyoshi
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR IDENTIFYING APOPTOSIS
; FILE REFERENCE: UM-03333
; CURRENT APPLICATION NUMBER: US/09/069, 023A
; CURRENT FILING DATE: 1998-04-27
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 34
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-069-023-34

Query Match 97.5%; Score 2412; DB 4; Length 480;
Best Local Similarity 97.7%; Pred. No. 2.7e-225;
Matches 469; Conservative 3; Mismatches 8; Indels 0; Gaps 0;

QY 1 MSAEVIHQVEALDTDEKMLFLCRDVAIDVPPNVRDLDDLILRERKLSVGDLAELLY 60
Db 1 MSAEVIHQVEALDTDEKMLFLCRDVAIDVPPNVRDLDDLILRERKLSVGDLAELLY 60
QY 61 RVRFDLLKRLKMDRAVETHLLRNPHLVSDYRVLMAEIGEDLDKSDVSSLIPLMKDYM 120
Db 61 RVRFDLLKRLKMDRAVETHLLRNPHLVSDYRVLMAEIGEDLDKSDVSSLIPLMKDYM 120
QY 121 GRGKISKEKSFLLVVELEKLNVLVAPDQDLLEKLNKNIHRIDLTKTKIYKOSVOGAGT 180
Db 121 GRGKISKEKSFLLVVELEKLNVLVAPDQDLLEKLNKNIHRIDLTKTKIYKOSVOGAGT 180
QY 181 SYRNVLAQAATOKSLKDPNNFRLHNGRSKEORLEQAGQOEVPVKKSIOESEAFPLQPSIP 240
Db 181 SYRNVLAQAATOKSLKDPNNFRLHNGRSKEORLEQAGQOEVPVKKSIOESEAFPLQPSIP 240
QY 241 EERYKMKSKPLGICLLIDICIGNETELLRTDFTSLGVEVQKFLHLSMHGISOILGQFACMP 300
Db 241 EERYKMKSKPLGICLLIDICIGNETELLRTDFTSLGVEVQKFLHLSMHGISOILGQFACMP 300

QY 301 EHRDYDSFVCLVSRGSGSVYGVQDTHSGPLHHRMFMGDSQPCYLAGKPKMFFIQNY 360
Db 301 EHRDYDSFVCLVSRGSGSVYGVQDTHSGPLHHRMFMGDSQPCYLAGKPKMFFIQNY 360
QY 361 VVSEGOLENSLLEVDGPAKNVFEKAKRGCLCTVHREADFFWSLCTADMSLLEQSHSSP 420
Db 361 VVSEGOLENSLLEVDGPAKNVFEKAKRGCLCTVHREADFFWSLCTADMSLLEQSHSSP 420
QY 421 SLYLQCLSQKLRQERRRPLDLHLIELNGYMYDNWSRVSAKEKYVWLOHTLRKKLILSYT 480
Db 421 SLYLQCLSQKLRQERRRPLDLHLIELNGYMYDNWSRVSAKEKYVWLOHTLRKKLILSYT 480

RESULT 3
US-08-859-167-2
; Sequence 2, Application US/08859167
; Patent No. 6037461
; GENERAL INFORMATION:
; APPLICANT: Alnemri, Emad S.
; APPLICANT: Fernandez-Alnemri, Teresa
; TITLE OF INVENTION: FADD-LIKE ANTI-APOPTOTIC MOLECULES, METHODS OF
; TITLE OF INVENTION: USING THE SAME, AND COMPOSITIONS FOR AND METHODS
; TITLE OF INVENTION: OF MAKING THE SAME
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESS: Woodcock, Washburn, Kurtz, Mackiewicz & No. 6037461Iris
; STREET: One Liberty Place, 46th floor
; CITY: Philadelphia
; STATE: PA
; COUNTRY: USA
; ZIP: 19103
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: WINDOWS
; SOFTWARE: WordPerfect
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/859,167
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Deluca, Mark
; REGISTRATION NUMBER: 33,229
; REFERENCE/DOCKET NUMBER: TJU-
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (215) 568-3100
; TELEFAX: (215) 568-3439
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 445 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-859-167-2

Query Match 91.6%; Score 2265.5; DB 3; Length 445;
Best Local Similarity 92.5%; Pred. No. 3.8e-211;
Matches 444; Conservative 1; Mismatches 0; Indels 35; Gaps 1;

QY 1 MSAEVIHQVEALDTDEKMLFLCRDVAIDVPPNVRDLDDLILRERKLSVGDLAELLY 60
Db 1 MSAEVIHQVEALDTDEKMLFLCRDVAIDVPPNVRDLDDLILRERKLSVGDLAELLY 60
QY 61 RVRFDLLKRLKMDRAVETHLLRNPHLVSDYRVLMAEIGEDLDKSDVSSLIPLMKDYM 120
Db 61 RVRFDLLKRLKMDRAVETHLLRNPHLVSDYRVLMAEIGEDLDKSDVSSLIPLMKDYM 120
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Db 121 GRGKISKEKSFLLVVELEKLNVLVAPDQDLLEKLNKNIHRIDLTKTKIYKOSVOGAGT 180
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Db 206 EERYKMKSPGLGICLIIDICIGNETELLRTFTSLGYEVOKFLHLSMHGISOILQGFACMP 265
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Db 266 EHRDYDSFVCLVSRGSGSVYGVDDQTHSGLPLHHRMFMGDCPYLAGKPKMFFIQNY 325
QY 361 VVSEGOLESLSLEVDGPAMKNVEFKAQRGLCTVHREADFFWSLCTADMSSLEQSHSSP 420
Db 326 VVSEGOLESLSLEVDGPAMKNVEFKAQRGLCTVHREADFFWSLCTADMSSLEQSHSSP 385
QY 421 SLYLQCLSQKLRQERKRPDLHLHIELNGYMYDWNRSVSAKEYYVWLQHTLRKKLILSYT 480
Db 386 SLYLQCLSQKLRQERKRPDLHLHIELNGYMYDWNRSVSAKEYYVWLQHTLRKKLILSYT 445

RESULT 4
US-09-109-273-2
; Sequence 2, Application US/09109273
; Patent No. 6063760
; GENERAL INFORMATION:
; APPLICANT: Alnemri, Emad S.
; APPLICANT: Fernandez-Alnemri, Teresa
; TITLE OF INVENTION: FADD-LIKE ANTI-APOPTOTIC MOLECULES, METHODS OF
; TITLE OF INVENTION: USING THE SAME, AND COMPOSITIONS FOR AND METHODS
; TITLE OF INVENTION: OF MAKING THE SAME
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Woodcock, Washburn, Kurtz, Mackiewicz & No. 6063760ris
; STREET: One Liberty Place, 46th floor
; CITY: Philadelphia
; STATE: PA
; COUNTRY: USA
; ZIP: 19103
; COMPUTER READABLE FORM:
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: WINDOWS
; SOFTWARE: WordPerfect
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/109,273
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/859,167
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Deluca, Mark
; REGISTRATION NUMBER: 33,229
; REFERENCE/DOCKET NUMBER: TJU-
; TELEPHONE: (215) 568-3100
; TELEFAX: (215) 568-3439
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 445 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-109-273-2

Query Match 91.6%; Score 2265.5; DB 3; Length 445;
Best Local Similarity 92.5%; Pred. No. 3.8e-211;
Matches 444; Conservative 1; Mismatches 0; Indels 35; Gaps 1;

QY 1 MSAEVIHQVEEALDTEKEMLFLCRDVAIDVVPVPPNVRDLDTLRERKLSVGDIAELLY 60
Db 1 MSAEVIHQVEEALDTEKEMLFLCRDVAIDVVPVPPNVRDLDTLRERKLSVGDIAELLY 60
QY 61 RVRFDLLKRLKMDRKAVETHLLRNPHLVSDYRVLMAEIGEDLDKSDVSSLIPLMKDYM 120
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Db 61 RVRFDLLKRLKMDRKAVETHLLRNPHLVSDYRVLMAEIGEDLDKSDVSSLIPLMKDYM 120
QY 121 GRGKISKEKSFDFLVVLEKELNLVAPDQDLLEKCLKNHRIHIDLTKTIOKYKQSVQAGT 180
Db 121 GRGKISKEKSFDFLVVLEKELNLVAPDQDLLEKCLKNHRIHIDLTKTIOKYKQSVQAGT 180
QY 181 SYRNVLAQAIOKSLKDPNNFR-----SIP 240
Db 181 SYRNVLAQAIOKSLKDPNNFR-----SIP 205
QY 241 EERYKMKSPGLGICLIIDICIGNETELLRTFTSLGYEVOKFLHLSMHGISOILQGFACMP 300
Db 206 EERYKMKSPGLGICLIIDICIGNETELLRTFTSLGYEVOKFLHLSMHGISOILQGFACMP 265
QY 301 EHRDYDSFVCLVSRGSGSVYGVDDQTHSGLPLHHRMFMGDCPYLAGKPKMFFIQNY 360
Db 266 EHRDYDSFVCLVSRGSGSVYGVDDQTHSGLPLHHRMFMGDCPYLAGKPKMFFIQNY 325
QY 361 VVSEGOLESLSLEVDGPAMKNVEFKAQRGLCTVHREADFFWSLCTADMSSLEQSHSSP 420
Db 326 VVSEGOLESLSLEVDGPAMKNVEFKAQRGLCTVHREADFFWSLCTADMSSLEQSHSSP 385
QY 421 SLYLQCLSQKLRQERKRPDLHLHIELNGYMYDWNRSVSAKEYYVWLQHTLRKKLILSYT 480
Db 386 SLYLQCLSQKLRQERKRPDLHLHIELNGYMYDWNRSVSAKEYYVWLQHTLRKKLILSYT 445

RESULT 5
US-09-276-993-2
; Sequence 2, Application US/09276993
; Patent No. 6207801
; GENERAL INFORMATION:
; APPLICANT: Alnemri, Emad S.
; APPLICANT: Fernandez-Alnemri, Teresa
; TITLE OF INVENTION: FADD-LIKE ANTI-APOPTOTIC MOLECULES, METHODS OF
; TITLE OF INVENTION: USING THE SAME, AND COMPOSITIONS FOR AND METHODS
; TITLE OF INVENTION: OF MAKING THE SAME
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Woodcock, Washburn, Kurtz, Mackiewicz & No. 6207801ris
; STREET: One Liberty Place, 46th floor
; CITY: Philadelphia
; STATE: PA
; COUNTRY: USA
; ZIP: 19103
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: WINDOWS
; SOFTWARE: WordPerfect
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/276,993
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/859,167
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Deluca, Mark
; REGISTRATION NUMBER: 33,229
; REFERENCE/DOCKET NUMBER: TJU-
; TELEPHONE: (215) 568-3100
; TELEFAX: (215) 568-3439
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 445 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-276-993-2
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Query Match 91.6%; Score 2265.5; DB 4; Length 445;
Best Local Similarity 92.5%; Pred. No. 3.8e-211;
Matches 444; Conservative 1; Mismatches 0; Indels 35; Gaps 1;

QY 1 MSAEVIHQVEEALDTDEKMLFLCRDVAIDVVPNNRDLDTLRLRERKLSVGDLAELLY 60
DB 1 MSAEVIHQVEEALDTDEKMLFLCRDVAIDVVPNNRDLDTLRLRERKLSVGDLAELLY 60

QY 61 RVRFDLLKRLKMDRKAVETHLLRNPHLVSDYRVLMMAEIGEDLDKSDVSSSLIFLMDY 120
DB 61 RVRFDLLKRLKMDRKAVETHLLRNPHLVSDYRVLMMAEIGEDLDKSDVSSSLIFLMDY 120

QY 121 GRGKISKEKSFLLVVELEKLNLVAPDQLDLEKCLKNHRIIDLTKTKIOKYKOSVOGAGT 180
DB 121 GRGKISKEKSFLLVVELEKLNLVAPDQLDLEKCLKNHRIIDLTKTKIOKYKOSVOGAGT 180

QY 181 SYRNVLQAAIQKSLKDPSPNNFRM 203
DB 181 SYRNVLQAAIQKSLKDPSPNNFRM 203

QY 241 EERYKMKSPGLICLIIDICIGNETELLRTFTSLGVEVQKFLHLSMHGISOILGQFACMP 300
DB 206 EERYKMKSPGLICLIIDICIGNETELLRTFTSLGVEVQKFLHLSMHGISOILGQFACMP 265

QY 301 EHRDYSFVCLVSRGSSQSVYGVDOHSGPLHLHRRMPMGDSCPYLAGKPKMFTIQNY 360
DB 266 EHRDYSFVCLVSRGSSQSVYGVDOHSGPLHLHRRMPMGDSCPYLAGKPKMFTIQNY 325

QY 361 VSEGOLENSLLEVDGPKMKNVEFKAQKRGCTVHREADFFWSLCTADMSSLEQSHSSP 420
DB 326 VSEGOLENSLLEVDGPKMKNVEFKAQKRGCTVHREADFFWSLCTADMSSLEQSHSSP 385

QY 421 SLVQLCSQKLRQERKPLDLHLIELNGYMDNRSYSAKEKYVWMLQHTLRKKLILSYT 480
DB 386 SLVQLCSQKLRQERKPLDLHLIELNGYMDNRSYSAKEKYVWMLQHTLRKKLILSYT 445

RESULT 6
US-09-382-155-17
; Sequence 17, Application US/09382155B
; Patent No. 6160095
; GENERAL INFORMATION:
; APPLICANT: CHAUDHARY, PREET M
; APPLICANT: HOOD, LEROY
; TITLE OF INVENTION: PROTEINS CAPABLE OF REGULATING NF-KB, JNK AND APOPTOSIS
; FILE REFERENCE: Chaudhary
; CURRENT APPLICATION NUMBER: US/09/382,155B
; EARLIER FILING DATE: 1999-08-24
; EARLIER FILING DATE: 1998-05-07
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 17
; LENGTH: 221
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-382-155-17

Query Match 40.7%; Score 1007; DB 4; Length 221;
Best Local Similarity 99.5%; Pred. No. 1.2e-89;
Matches 202; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSAEVIHQVEEALDTDEKMLFLCRDVAIDVVPNNRDLDTLRLRERKLSVGDLAELLY 60
DB 1 MSAEVIHQVEEALDTDEKMLFLCRDVAIDVVPNNRDLDTLRLRERKLSVGDLAELLY 60

QY 61 RVRFDLLKRLKMDRKAVETHLLRNPHLVSDYRVLMMAEIGEDLDKSDVSSSLIFLMDY 120
DB 61 RVRFDLLKRLKMDRKAVETHLLRNPHLVSDYRVLMMAEIGEDLDKSDVSSSLIFLMDY 120

QY 121 GRGKISKEKSFLLVVELEKLNLVAPDQLDLEKCLKNHRIIDLTKTKIOKYKOSVOGAGT 180
DB 121 GRGKISKEKSFLLVVELEKLNLVAPDQLDLEKCLKNHRIIDLTKTKIOKYKOSVOGAGT 180

Db 121 GRGKISKEKSFLLVVELEKLNLVAPDQLDLEKCLKNHRIIDLTKTKIOKYKOSVOGAGT 180
QY 181 SYRNVLQAAIQKSLKDPSPNNFRM 203
Db 181 SYRNVLQAAIQKSLKDPSPNNFRM 203

RESULT 7
US-09-074-044A-17
; Sequence 17, Application US/09074044A
; Patent No. 6207458
; GENERAL INFORMATION:
; APPLICANT: CHAUDHARY, PREET M
; APPLICANT: HOOD, LEROY
; TITLE OF INVENTION: PROTEINS CAPABLE OF REGULATING NF-KB, JNK AND
; TITLE OF INVENTION: APOPTOSIS PATHWAYS AND METHODS OF USING THE SAME
; NUMBER OF SEQUENCES: 28
; CORRESPONDENCE ADDRESS:
; ADDRESSES: HOVEY, WILLIAMS, TIMMONS & COLLINS
; STREET: 2405 GRAND BLVD., SUITE 400
; CITY: MISSOURI
; STATE: MISSOURI
; COUNTRY: USA
; ZIP: 64108
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/074,044A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: COLLINS, JOHN M
; REGISTRATION NUMBER: 26,262
; REFERENCE/DOCKET NUMBER: 26588
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 816/474-9050
; TELEFAX: 816/474-9057
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 221 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: not relevant
; MOLECULE TYPE: protein
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
US-09-074-044A-17

Query Match 40.7%; Score 1007; DB 4; Length 221;
Best Local Similarity 99.5%; Pred. No. 1.2e-89;
Matches 202; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSAEVIHQVEEALDTDEKMLFLCRDVAIDVVPNNRDLDTLRLRERKLSVGDLAELLY 60
DB 1 MSAEVIHQVEEALDTDEKMLFLCRDVAIDVVPNNRDLDTLRLRERKLSVGDLAELLY 60

QY 61 RVRFDLLKRLKMDRKAVETHLLRNPHLVSDYRVLMMAEIGEDLDKSDVSSSLIFLMDY 120
DB 61 RVRFDLLKRLKMDRKAVETHLLRNPHLVSDYRVLMMAEIGEDLDKSDVSSSLIFLMDY 120

QY 121 GRGKISKEKSFLLVVELEKLNLVAPDQLDLEKCLKNHRIIDLTKTKIOKYKOSVOGAGT 180
DB 121 GRGKISKEKSFLLVVELEKLNLVAPDQLDLEKCLKNHRIIDLTKTKIOKYKOSVOGAGT 180

QY 181 SYRNVLQAAIQKSLKDPSPNNFRM 203
DB 181 SYRNVLQAAIQKSLKDPSPNNFRM 203

RESULT 8

US-09-074-044A-2
; Sequence 2, Application US/09074044A
; Patent No. 6207458
; GENERAL INFORMATION:
; APPLICANT: CHAUDHARY, PREET M
; APPLICANT: HOOD, LEROY
; TITLE OF INVENTION: PROTEINS CAPABLE OF REGULATING NK-KB, JNK AND
; TITLE OF INVENTION: APOPTOSIS PATHWAYS AND METHODS OF USING THE SAME
; NUMBER OF SEQUENCES: 28
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: HOVEY, WILLIAMS, TIMMONS & COLLINS
; STREET: 2405 GRAND BLVD., SUITE 400
; CITY: KANSAS CITY
; STATE: MISSOURI
; COUNTRY: USA
; ZIP: 64108
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/074,044A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: COLLINS, JOHN M
; REGISTRATION NUMBER: 26,262
; REFERENCE/DOCKET NUMBER: 26588
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 816/474-9050
; TELEFAX: 816/474-9057
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 84 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: not relevant
; MOLECULE TYPE: protein
; FRAGMENT TYPE: internal
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
; US-09-074-044A-2

Query Match 16.9%; Score 417; DB 4; Length 84;
Best Local Similarity 100.0%; Pred. No. 4.2e-33;
Matches 84; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 90 VSDYRVLMAEIGEDLDKSDVSSIFLKMKGKISKEKSFLLDVLVVELEKLNVLAPDQL 149
Db 1 VSDYRVLMAEIGEDLDKSDVSSIFLKMKGKISKEKSFLLDVLVVELEKLNVLAPDQL 60

QY 150 DLLEKCLNKHRIIDLTKTKIQYKQ 173
Db 61 DLLEKCLNKHRIIDLTKTKIQYKQ 84

RESULT 9
US-08-983-502-7
; Sequence 7, Application US/08983502
; Patent No. 6399327
; GENERAL INFORMATION:
; APPLICANT: David WALLACH
; APPLICANT: Mark P. BOLDIN
; APPLICANT: Tanya M. GONCHAROV
; APPLICANT: Yury V. GOLTEV
; TITLE OF INVENTION: MODULATORS OF THE FUNCTION OF FAS RECEPTORS
; TITLE OF INVENTION: AND OTHER PROTEINS
; NUMBER OF SEQUENCES: 34
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Browdy and Neimark
; STREET: 419 Seventh Street N.W., Ste. 300
; CITY: Washington

STATE: D.C.
COUNTRY: USA
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/983,502
FILING DATE: 16-JAN-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/10521
FILING DATE: 14-JUN-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 114,615
FILING DATE: 16-JUL-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 114,986
FILING DATE: 17-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 115,319
FILING DATE: 14-SEP-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 116,588
FILING DATE: 27-DEC-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 117,932
FILING DATE: 16-APR-1996
ATTORNEY/AGENT INFORMATION:
NAME: Browdy, Roger L.
REGISTRATION NUMBER: 25,618
REFERENCE/DOCKET NUMBER: WALLACH-19
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 628-5197
TELEFAX: (202) 737-3528
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 479 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-983-502-7

Query Match 16.6%; Score 410; DB 4; Length 479;
Best Local Similarity 26.1%; Pred. No. 3.1e-31;
Matches 137; Conservative 106; Mismatches 172; Indels 110; Gaps 22;

QY 6 IHQVEALDTDEKEMLLFLCRDVAIDVPPN----VRDLDI---LRERKGLSVGDLA-- 56
Db 7 LYDIGQLDSEDLASLKLFL----SLDYIPQRKOEPIKDALMLFQRLQEKRMLESNLSFL 62

QY 57 -ELLYRVRFRFDLLKRLKMDKRAVETHLLRNP--HLVSDYRVLMAEIGEDLDKSDVSSLI 113
Db 63 KELLFRINRLDLITLNTKREMERE-LQTPGQRAQISAYRVNLYQISEVSRSELSFK 121

QY 114 FLMKDYMGRKISKEKSFLLDVVVELEKLNVLAPDQLDLLEKCLNKHRIIDLTKTKIQYKQ 173
Db 122 FLQEEISCKLDDDDNLLDDIFIEKRVILGSKLDILKRVCAQINKSLKI-INDYEE 180

QY 174 -----SVQAGCTSYRNVLQAAIQKSLKDPNSNFRHLNGRSKEQRLKQLGAQOQEPVK 226
Db 181 FSKERSSSLEGSDFESNGEELCGVMTISDPSRE-----NETEL--- 214

QY 227 SIQESAEFLPOSIPERYKMKKPLGICLIIDCIG-----NETEL--- 266
Db 215 --ODSES---QTL-DRVQMKSRPGYCLIIHNHFAKAREKVPKLUHSTRDRNGTHLDAG 268

QY 267 -LRDTFTSLGYEQKFLHLSMHGISOILGQFACMPHEDYDSFVCLVSRGSGSQSYGYVD 325
Db 269 ALTTTEELHFEIKPHDDCTVEQIYEILAIYQLM-DHSNMDCFICILSHGDKGIYGYD 327

QY 326 QTHSGPLHHIRMFMDSCPYLAGPKMFFIQ-----NY---VVSQGLNSLSLEVD- 376
DB 328 GQEA--PIYELTSGYEVOKFLHLSMHGISOILGQFACMPHEDYDSFVCLVSRGGSOSVYVD 385
QY 377 -GPMKNVEFKAKRGGLCTVHREADFWSLCTADMSLLEQSHSPSLYLQCLSKLRQE- 434
DB 386 SSQTRVIP-----DEADFLGMLATVNNVSVYRNPAEGTWYIOSLQSLRERC 433
QY 435 -RRPDLDLHIELNGYMYDNWSRVSAKE--KYYVWLQHTLRKKLI 476
DB 434 PRGDDILTILTEVN---YEVSNDKDDKKNMGKOMPQPTFTTLRKKLV 475

RESULT 10
PCT-US96-10521-7
; Sequence 7, Application PC/TUS9610521
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: MODULATORS OF THE FUNCTION OF FAS RECEPTORS
; TITLE OF INVENTION: AND OTHER PROTEINS
; NUMBER OF SEQUENCES: 34
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30 (BPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US96/10521
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: IL 114,615
; FILING DATE: 16-JUL-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: IL 114,986
; FILING DATE: 17-AUG-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: IL 115,319
; FILING DATE: 14-SEP-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: IL 116,588
; FILING DATE: 27-DEC-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: IL 117,932
; FILING DATE: 16-APR-1996
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 479 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
PCT-US96-10521-7

Query Match 16.6%; Score 410; DB 5; Length 479;
Best Local Similarity 26.1%; Pred. No. 3.1e-31;
Matches 137; Conservative 106; Mismatches 172; Indels 110; Gaps 22;

QY 6 IHQVEEALDTDEKEMLLFLCRDVAIDVVPNN---VRDLDDI---LRERKLSVGDLA-- 56
DB 7 LYDGEQLDSEDLASLKF-----SLDIYIPQRKEPKIDALMLFORLQEKRLMESLSFL 62
QY 57 -ELAYRVRFFOLLKRLKMDKRAVETHLLRNP--HLVSDYRVLMIAEIGEDLKDSDVSSLI 113
DB 63 KELLFRINRLDLITYLNTREEMERE-LQTPGGAQISAYRVMLYQISEVSRSELRSFK 121
QY 114 FLMDYMGKGIKSEKSLFLVLEKLNVLVAPQDLLEKLNHIDLTQIKYKQ 173
DB 122 FLQGEISKCKLDDMLNLIPIEMEKRVILGEGKLDLTKRCAQINKSLKI-INDYEE 180
QY 174 -----SVQAGTSYRNVLAQIOKSLKDPNFRNLNGRSKEORLKEQLGAQOPEVKK 226
DB 181 FSKRSSLESQDPDFSGNEELCGVMTISDPSRE----- 214

QY 227 SIOSEAFLPQSIPEERYKMKSKPLGICLIIDCTG-----NETEL--- 266
DB 215 --QDSSES---QTL-DKYQMKSKPRGYCLLINNNHFAKAREKVPKLSIRDRNGTHLDAG 268
QY 267 -LRDFTTSLGYEVOKFLHLSMHGISOILGQFACMPHEDYDSFVCLVSRGGSOSVYVD 325
DB 269 ALTTTTEELHFEIKPHDCTVEQIYELTKYQLM-DHSNMDCFICCLSHGDKGIYGTG 327
QY 326 QTHSGPLHHIRMFMDSCPYLAGPKMFFIQ-----NY---VVSQGLNSLSLEVD- 376
DB 328 GQEA--PIYELTSGYEVOKFLHLSMHGISOILGQFACMPHEDYDSFVCLVSRGGSOSVYVD 385
QY 377 -GPMKNVEFKAKRGGLCTVHREADFWSLCTADMSLLEQSHSPSLYLQCLSKLRQE- 434
DB 386 SSQTRVIP-----DEADFLGMLATVNNVSVYRNPAEGTWYIOSLQSLRERC 433
QY 435 -RRPDLDLHIELNGYMYDNWSRVSAKE--KYYVWLQHTLRKKLI 476
DB 434 PRGDDILTILTEVN---YEVSNDKDDKKNMGKOMPQPTFTTLRKKLV 475

RESULT 11
US-08-807-200-12
; Sequence 12, Application US/08807200
; Patent No. 5837837
; GENERAL INFORMATION:
; APPLICANT: Hunter, John J.
; APPLICANT: Shigjan, Andrew W.
; APPLICANT: Wong, Grace H.W.
; TITLE OF INVENTION: NOVEL FORMS OF CASPASE-8 AND
; TITLE OF INVENTION: USES THEREFOR
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson, P.C.
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: MA
; COUNTRY: US
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows95
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/807,200
; FILING DATE: 27-FEB-1997
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Meiklejohn, Ph.D., Anita L.
; REGISTRATION NUMBER: 35,283
; REFERENCE/DOCKET NUMBER: 07334/021001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-542-5070
; TELEFAX: 617-542-8906
; TELEX: 200154
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 479 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-807-200-12

Query Match 16.5%; Score 408; DB 2; Length 479;
Best Local Similarity 26.1%; Pred. No. 4.8e-31;
Matches 137; Conservative 105; Mismatches 173; Indels 110; Gaps 22;
QY 6 IHQVEEALDTDEKEMLLFLCRDVAIDVVPNN---VRDLDDI---LRERKLSVGDLA-- 56

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Db 7 LYDIGEQLSEDLASLKL-----SLDIYIPQKOEPIKDALMLFQRLQEKRLMESNLFL 62
QY 57 -ELLYRVRRFDLLKRLKMDKRAVETHLRNP--HLVSDYRVLMMAETGEDLDRKSDVSSLI 113
Db 63 KELLFRINRLDLLITVLTNRKEEMERE-LQTPGQRAQISAYRVMLYQISEVSRSELSRSPK 121
QY 114 FLKMDYMGKIKSEKSFLLVVELEKLNVAPODLLEKCLKNHRIIDLTKIKQYKQ 173
Db 122 FLQEEISKCKLDDNNLLDIFITEMEKRVILGEGKLDILKRVCAQINKSLKI-INDYEE 180
QY 174 -----SVQAGTSYRVNLQAAIQSLKDPNSNFRHLNRSKEQRLKEQLGAQOEPPVK 226
Db 181 FSKERSSSLGSPDEFSGEELCGVMTISDSPRE-----VRDLDDI--LREKRLSVGLA-- 214
QY 227 SIQSEAFLOPSIPEERYKMKSPGLGICLIIDCIG-----NETEL--- 266
Db 215 --QDSSES--QTL-DKVOYQKSKPRGVCYLIINHNFAKAREKVPKLSIRDRNGTHLDAG 268
QY 267 -LDRFTSLGYEVQKFLHLSMHGISOILGQFACMPHEDYDSFVCLVSRGSGSVYGV 325
Db 269 ALATTFEELHFEIKPHDDCTVEQIYEILKIYQLM-DHSNMDCFICCLSHGDKGIYGT 327
QY 326 QTHSGPLHHRMFMDGDCPYLAGPKMFFIO-----NY---VSEGOLENSLLEVD- 376
Db 328 GQEP--PIYELTQFTGLKCPSLAGPKVFFIQACOGDNVQKGPVETDSEEPYLEMDL 385
QY 377 -GPAMKNVEFKAKRGKGLCTVHREADFWSLCTADMSLLEQSHSPSLYLQCLSKLROE- 434
Db 386 SSPQTRYIP-----DEADFLGMAVTVNVCYRNPAEGTWYIQSLQSLRERC 433
QY 435 -RKRPLLDLHIELNGYMDWNSRVSARE--KYVWQLQHTLRKKLI 476
Db 434 PRGDDILTILTEVN---YEVSNDKDKNMKGKOMPQPTFTTLRKKLV 475
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RESULT 12

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US-09-001-777-12
; Sequence 12, Application US/09001777
; Patent No. 6172190
; GENERAL INFORMATION:
; APPLICANT: Hunter, John J.
; APPLICANT: Shyjan, Andrew W.
; APPLICANT: Wong, Grace H.W.
; TITLE OF INVENTION: NOVEL FORMS OF CASPASE-8 AND USES THEREOF
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows 95
; SOFTWARE: FASTSEQ for Windows Version 2.0b
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/001,777
; FILING DATE: 31-DEC-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/807,200
; FILING DATE: 27-FEB-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Freeman, John W.
; REGISTRATION NUMBER: 29,066
; REFERENCE/DOCKET NUMBER: 07334/021002
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617/542-5070
; TELEFAX: 617/542-8906
; TELEX: 200154
; INFORMATION FOR SEQ ID NO: 12:
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; SEQUENCE CHARACTERISTICS:
; LENGTH: 479 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FRAGMENT TYPE: internal
; US-09-001-777-12
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Query Match 16.5%; Score 408; DB 4; Length 479;
Best Local Similarity 26.1%; Pred. No. 4.8e-31;
Matches 137; Conservative 105; Mismatches 173; Indels 110; Gaps 22;
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QY 6 IHOVEALOTDEKEMLLFLCROVAIDVWPPN-----VRDLDDI--LREKRLSVGLA-- 56
Db 7 LYDIGEQLSEDLASLKL-----SLDIYIPQKOEPIKDALMLFQRLQEKRLMESNLFL 62
QY 57 -ELLYRVRRFDLLKRLKMDKRAVETHLRNP--HLVSDYRVLMMAETGEDLDRKSDVSSLI 113
Db 63 KELLFRINRLDLLITVLTNRKEEMERE-LQTPGQRAQISAYRVMLYQISEVSRSELSRSPK 121
QY 114 FLKMDYMGKIKSEKSFLLVVELEKLNVAPODLLEKCLKNHRIIDLTKIKQYKQ 173
Db 122 FLQEEISKCKLDDNNLLDIFITEMEKRVILGEGKLDILKRVCAQINKSLKI-INDYEE 180
QY 174 -----SVQAGTSYRVNLQAAIQSLKDPNSNFRHLNRSKEQRLKEQLGAQOEPPVK 226
Db 181 FSKERSSSLGSPDEFSGEELCGVMTISDSPRE-----NETEL--- 214
QY 227 SIQSEAFLOPSIPEERYKMKSPGLGICLIIDCIG-----NETEL--- 266
Db 215 --QDSSES--QTL-DKVOYQKSKPRGVCYLIINHNFAKAREKVPKLSIRDRNGTHLDAG 268
QY 267 -LDRFTSLGYEVQKFLHLSMHGISOILGQFACMPHEDYDSFVCLVSRGSGSVYGV 325
Db 269 ALATTFEELHFEIKPHDDCTVEQIYEILKIYQLM-DHSNMDCFICCLSHGDKGIYGT 327
QY 326 QTHSGPLHHRMFMDGDCPYLAGPKMFFIO-----NY---VSEGOLENSLLEVD- 376
Db 328 GQEP--PIYELTQFTGLKCPSLAGPKVFFIQACOGDNVQKGPVETDSEEPYLEMDL 385
QY 377 -GPAMKNVEFKAKRGKGLCTVHREADFWSLCTADMSLLEQSHSPSLYLQCLSKLROE- 434
Db 386 SSPQTRYIP-----DEADFLGMAVTVNVCYRNPAEGTWYIQSLQSLRERC 433
QY 435 -RKRPLLDLHIELNGYMDWNSRVSARE--KYVWQLQHTLRKKLI 476
Db 434 PRGDDILTILTEVN---YEVSNDKDKNMKGKOMPQPTFTTLRKKLV 475
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RESULT 13

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US-08-852-782-3
; Sequence 3, Application US/08852782
; Patent No. 6008042
; GENERAL INFORMATION:
; APPLICANT: Vishva Dixit, Kristine Kikly, Jian Ni, Craig Rosen and
; APPLICANT: Steven Ruben
; TITLE OF INVENTION: INTERLEUKIN-1 BETA CONVERTING ENZYME LIKE APOPTOTIC PR
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SmithKline Beecham Corporation
; STREET: 709 Swedeland Road
; CITY: King of Prussia
; STATE: PA
; COUNTRY: USA
; ZIP: 19406-2799
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/852,782
; FILING DATE:
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CLASSIFICATION: 530
PRIOR APPLICATION DATA: 60/019,365
FILING DATE: 05 JUNE 1996
APPLICATION NUMBER: 60/017,454
FILING DATE: 17 MAY 1996
APPLICATION NUMBER: 60/017,914
FILING DATE: 16 MAY 1996
ATTORNEY/AGENT INFORMATION:
NAME: Han, William T
REGISTRATION NUMBER: 34,344
REFERENCE/DOCKET NUMBER: P50484-2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-270-5219
TELEFAX: 610-270-5090
TELEX:
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 479 amino acids
TYPE: amino acid
STRANDEDNESS: single
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: N-terminal
ORIGINAL SOURCE:
US-08-852-782-3

Query Match 16.4%; Score 406; DB 3; Length 479;
Best Local Similarity 26.1%; Pred. No. 7.5e-31;
Matches 137; Conservative 105; Mismatches 173; Indels 110; Gaps 22;
Qy 6 IHQVEALDTDEKEMLLFCRDVAIDVVPN----VRDLDDI---LRERKLSVGLA-- 56
Db 7 LYDIGQLDSEDLASLKL----SLDYIPQKQEPKDALMLFORQEKRMLESNLSFL 62
Qy 57 -ELLYRVRRFDLKRILKMDKAVETHLLRNP--HLVSDYRVLMMAEIGEDLSDVSSLI 113
Db 63 KELLFRINRLDLLITVLTNRKEEMERE-LQTPGRAQISAYRVMLYQISEVSRSELSRPF 121
Qy 114 FLMKDYMGKIKSEKSFIDLVLVELEKLNVLVAPDQLDLLEKLNHRIIDLTKYQYKQ 173
Db 122 FLQEEISKCKLDDMLDIFTEMKRVILGEGKLDILKRVCAQINKSLTKI-INDYEE 180
Qy 174 -----SVQAGSYRNVLQAAIOLKSLKDPNSNFRHNGRSKEORLKEQLGAQOEPVK 226
Db 181 FSKRSLSLEGSPDFNSGELCGVWISDSPRE-----NY-----VSEGLNSLLLEVD- 214
Qy 227 SIQSEAFPLQSIPEERYKMKRPLGICLIIDIG-----NETEL--- 266
Db 215 --QDSSES---QTL-DKVVQMKSPRGYCLINNHFAKAREKVPKLSIRDRNGTHLDAG 268
Qy 267 -LRDTFTSLGYEVOKFHLHSHGISOILQGFACMPERHDYDSFVCVLVSRGGSQVYVD 325
Db 269 ALTTTFELHFEIKPHDCTVEQIYELIKYIQLM-DHSNMDCFICCLSHGKIIGTD 327
Qy 326 QTHSGLPLHHTRRMFMDGSCPYLAGKPKMFIO-----NY-----VSEGLNSLLLEVD- 376
Db 328 QQEP--PIYELTSOFTGLKCPSLAGKPKVFFIQACQDNTQKGIPIVETDSEEPYLDML 385
Qy 377 -GPAMKNVEFAKORGLCTVHREADFFWSLCTADMSLLEQSHSPSLYLQCLSKLQRE- 434
Db 386 SSPQTRIP-----DEADFLGMATVNNVSYRNPAETGWYIOSLQSLRERC 433
Qy 435 -RKRPDLDLHIELNGYMYDNMSRVSAKE--KYVWMLQHTLRKKLI 476
Db 434 PRGDDILTILTEVN---YEVSNDKDKNMGMQMPQPTFTLRKKLV 475
RESULT 14
US-08-983-502-18
; Sequence 18, Application US/08983502

Patent No. 6399327
GENERAL INFORMATION:
APPLICANT: David WALLACH
APPLICANT: Mark P. BOLDIN
APPLICANT: Tanya M. GONCHAROV
APPLICANT: Yuri V. GOLTSEV
TITLE OF INVENTION: MODULATORS OF THE FUNCTION OF FAS RECEPTORS
TITLE OF INVENTION: AND OTHER PROTEINS
NUMBER OF SEQUENCES: 34
CORRESPONDENCE ADDRESS:
ADDRESSEE: Browdy and Neimark
STREET: 419 Seventh Street N.W., Ste. 300
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/983,502
FILING DATE: 16-JAN-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/10521
FILING DATE: 14-JUN-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 114,615
FILING DATE: 16-JUL-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 114,986
FILING DATE: 17-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 115,319
FILING DATE: 14-SEP-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 116,588
FILING DATE: 27-DEC-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 117,932
FILING DATE: 16-APR-1996
ATTORNEY/AGENT INFORMATION:
NAME: Browdy, Roger L.
REGISTRATION NUMBER: 25,618
REFERENCE/DOCKET NUMBER: WALLACH-19
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 628-5197
TELEFAX: (202) 737-3528
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 464 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-983-502-18

Query Match 16.4%; Score 404.5; DB 4; Length 464;
Best Local Similarity 26.3%; Pred. No. 1e-30;
Matches 136; Conservative 101; Mismatches 170; Indels 111; Gaps 21;
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Db 7 LYDIGQLDSEDLASLKL----SLDYIPQKQEPKDALMLFORQEKRMLESNLSFL 62
Qy 57 -ELLYRVRRFDLKRILKMDKAVETHLLRNP--HLVSDYRVLMMAEIGEDLSDVSSLI 113
Db 63 KELLFRINRLDLLITVLTNRKEEMERE-LQTPGRAQISAYRVMLYQISEVSRSELSRPF 121
Qy 114 FLMKDYMGKIKSEKSFIDLVLVELEKLNVLVAPDQLDLLEKLNHRIIDLTKYQYKQ 173
Db 122 FLQEEISKCKLDDMLDIFTEMKRVILGEGKLDILKRVCAQINKSLTKI-INDYEE 180

GenCore version 5.1.4_p5_4578
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OM nucleic - nucleic search, using sw model

Run on: April 12, 2003, 20:46:38 ; Search time 137.706 Seconds
(without alignments)
14287.562 Million cell updates/sec

Title: US-09-380-546A-1

Perfect score: 2243

Sequence: 1 ggcgcgcggcattcaat.....ctctttaaaaaaaaaa 2243

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 593429 seqs, 438583890 residues

Total number of hits satisfying chosen parameters: 1186858

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications, NA:

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- 3: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq:
- 4: /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq:
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- 11: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq:
- 12: /cgn2_6/ptodata/2/pubpna/US10_PUBCOMB.seq:
- 13: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq:
- 14: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2124	94.7	2143	10	US-09-410-194-16
2	1952.2	87.0	2045	10	US-09-861-270-1
3	849.6	37.9	2452	10	US-09-410-194-18
4	813.6	36.3	2770	9	US-10-005-921-1
5	731.8	32.6	1190	10	US-09-410-194-14
6	307.6	13.7	490	10	US-09-833-381-436
7	276	12.3	437	10	US-09-864-761-3120
8	259.8	11.6	430	10	US-09-864-761-1769
9	223.8	10.0	227	10	US-09-864-761-18522
10	213	9.5	389	10	US-09-783-590-4424
11	177	7.9	177	10	US-09-864-761-19899
12	175	7.8	22484	10	US-09-875-114-2
13	175	7.8	22484	10	US-09-880-107-3341
14	174.8	7.8	7737	9	US-10-092-154-2001
15	174.8	7.8	7737	10	US-09-764-887-453
16	174.8	7.8	7737	10	US-09-764-847-2001
17	174.6	7.8	1545	10	US-09-764-877-3172
18	174.6	7.8	32185	10	US-09-764-877-3171
19	173.8	7.7	465237	10	US-09-933-267A-1

c 20	173.6	7.7	14962	9	US-10-079-854-244	Sequence 244, Ap
c 21	173.6	7.7	14962	10	US-09-764-878-244	Sequence 244, App
c 22	173.4	7.7	16281	9	US-10-092-154-1367	Sequence 1367, Ap
c 23	173.4	7.7	16281	10	US-09-764-847-1367	Sequence 1367, Ap
c 24	173.4	7.7	16285	9	US-10-092-154-1368	Sequence 1368, Ap
c 25	173.4	7.7	16285	10	US-10-092-154-1369	Sequence 1369, Ap
c 26	173.4	7.7	16285	10	US-09-764-847-1368	Sequence 1368, Ap
c 27	173.4	7.7	16285	10	US-09-764-847-1369	Sequence 1369, Ap
c 28	172.6	7.7	7960	9	US-10-091-504-2327	Sequence 2327, Ap
c 29	172.6	7.7	7960	10	US-09-764-869-2327	Sequence 2327, Ap
c 30	171.6	7.7	1373	9	US-09-974-879-54	Sequence 54, Appl
c 31	171.6	7.7	15515	10	US-09-822-860-3	Sequence 3, Appl1
c 32	171.6	7.7	17239	9	US-10-091-504-2326	Sequence 2326, Ap
c 33	171.6	7.7	17239	10	US-09-764-869-2326	Sequence 2326, Ap
c 34	171.4	7.6	26657	10	US-09-810-673A-3	Sequence 3, Appl1
c 35	171.4	7.6	32176	9	US-10-091-504-1953	Sequence 1953, Ap
c 36	171.4	7.6	32176	10	US-09-764-869-1953	Sequence 1953, Ap
c 37	171.4	7.6	32178	9	US-10-091-504-1954	Sequence 1954, Ap
c 38	171.4	7.6	32178	10	US-09-764-869-1954	Sequence 1954, Ap
c 39	171.2	7.6	17792	9	US-10-091-504-1599	Sequence 1599, Ap
c 40	171.2	7.6	17792	10	US-09-764-869-1599	Sequence 1599, Ap
c 41	171.2	7.6	24707	9	US-10-274-968-3	Sequence 3, Appl1
c 42	171.2	7.6	24707	10	US-09-740-027-3	Sequence 3, Appl1
c 43	171	7.6	10283	9	US-09-938-795A-3	Sequence 3, Appl1
c 44	171	7.6	38374	10	US-09-880-107-3463	Sequence 3463, Ap
c 45	170.6	7.6	41907	10	US-09-967-013-5	Sequence 5, Appl1

ALIGNMENTS

RESULT 1
US-09-410-194-16
; Sequence 16, Application US/09410194
; Patent No. US20020095030A1
; GENERAL INFORMATION:
; APPLICANT: Tschopp, Jurg
; APPLICANT: Thome, Margot
; APPLICANT: Burns, Kimberley
; APPLICANT: Irmeler, Marten
; APPLICANT: Hahne, Michael
; APPLICANT: Schroter, Michael
; APPLICANT: Schneider, Pascal
; APPLICANT: Bodmer, Jean-Luc
; APPLICANT: Steiner, Veronique
; APPLICANT: Rimoldi, Donata
; APPLICANT: Hofmann, Kay
; APPLICANT: French, E. Lars
; TITLE OF INVENTION: FLIP GENES AND FLIP PROTEINS
; FILE REFERENCE: 11141-002001
; CURRENT APPLICATION NUMBER: US/09/410,194
; CURRENT FILING DATE: 1999-09-30
; PRIOR APPLICATION NUMBER: PCT/EP98/01857
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: GERMANY 197 13 393.2
; PRIOR FILING DATE: 1997-04-01
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16
; LENGTH: 2143
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (383)...(1822)
US-09-410-194-16

Query Match 94.7%; Score 2124; DB 10; Length 2143;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 2138; Conservative 0; Mismatches 5; Indels 1; Gaps 1;

99 TAGGGTGGGAGCTCGCGCTCACACAGTAGTCGCGCTATTGACCTTTGTCCAGTGAC 158
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Db	1	1	TAGGGGTGGGACTCGGCCTCACACAGTAGTGAGTCCCGGCTATTGGACATTTTGTGCCAGTGAC	60
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QY	219	GCCGAGACACAAGTCCGCTTCCAGGCTTTCGGTTTCTTTTGGCTTCCATCTTTGGGTGGGCTT	278	
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QY	279	TCCCGGCTCTTAGGGAGCGAAGGCTCAGGTGCGACGCGGACGAGAGTCCGGCCGCGACA	338	
Db	181	TCCCGGCTCTTAGGGAGCGAAGGCTCAGGTGCGACGCGGACGAGAGTCCGGCCGCGACA	240	
QY	339	GGACGAATCCCCACTGGAAAGATTCTTGAAGAATAAGTACGCCCTCAGAATAAGAA	398	
Db	241	GGACGAATCCCCACTGGAAAGATTCTTGAAGAATAAGTACGCCCTCAGAATAAGAA	300	
QY	399	GTTGACTGCCTGCCTTCCCTCTGTACGTGGCCGGGAGCTGTACTGCAAGACCCCTTGTG	458	
Db	301	GTTGACTGCCTGCCTTCCCTCTGTGTGACTGGCCGGGAGCTGTACTGCAAGACCCCTTGTG	359	
QY	459	AGCTTCCCTAGTCTAAGAGTAGGATGTCTGCTGAAGTATPCCATCAGGTGGAAGAAGCAC	518	
Db	360	AGCTTCCCTAGTCTAAGAGTAGGATGTCTGCTGAAGTATPCCATCAGGTGGAAGAAGCAC	419	
QY	519	TTTGATACAGATGAGAAGAGATGCTGCTCTTTTGTGCGCGGAGTGTTGCTATAGATGTGG	578	
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Db	480	TTCCACCTAATGTCAAGGACCTTCTGGATATTTTACGGGAAGAGGTAAAGTCTCTGTGCG	539	
QY	639	GGGACTTTGCTGAACTGCTACAGAGTAGGCGCATTTGACCTTGCCTCAACGCTATCTTGA	698	
Db	540	GGGACTTTGCTGAACTGCTACAGAGTAGGCGCATTTGACCTTGCCTCAACGCTATCTTGA	599	
QY	699	AGATGACAGAAAAAGCTGTGAGAGCCCACTGCTCAGGAACCCCTCACTTGTTTTCGGACT	758	
Db	600	AGATGACAGAAAAAGCTGTGAGAGCCCACTGCTCAGGAACCCCTCACTTGTTTTCGGACT	659	
QY	759	ATAGAGTGTGATGGCAGAGATTTGTGAGGATTTTGGATTAATCTGATGTGCTCCTCATTA	818	
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QY	819	TTTTCTCATGAAGGATTACATGGGCCGAGCAAGATAAGCAAGGAGAAAGTTTCTTGG	878	
Db	720	TTTTCTCATGAAGGATTACATGGGCCGAGCAAGATAAGCAAGGAGAAAGTTTCTTGG	779	
QY	879	ACCTTGTGGTTCAGTTGGAGAACTAAATTTGGTTGGCCCCAGATCAACTGGATTTATTAG	938	
Db	780	ACCTTGTGGTTCAGTTGGAGAACTAAATTCGTGGTGGCCCCAGATCAACTGGATTTATTAG	839	
QY	939	AAAAATGCCTTAAGACATCCACGAATAGACCTTGACACAAAAAATCCAGAACTACAAGC	998	
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QY	1119	TTAAGGAACAGCTTGGCGCTCAACAGAACACAGTGAAGAAATCCATTCAGGAATCAGAAG	1178	
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RESULT. 2
US-09-861-270-1
: Sequence 1, Application US/09861270

Patent No. US20020052474A1

GENERAL INFORMATION:
APPLICANT: Sul, Hong-Bing
Goedel, David V.
TITLE OF INVENTION: Regulators of Apoptosis
NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
ADDRESSEE: Science & Technology Law Group
STREET: 75 Denise Drive
CITY: Hillsborough
STATE: California
COUNTRY: USA
ZIP: 94010

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/861,270
FILING DATE: 18-May-2001

CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/795,088

FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Osman, Richard A

REGISTRATION NUMBER: 36,627
REFERENCE/DOCKET NUMBER: T97-001

TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 343-4341
TELEFAX: (650) 343-4342

INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:

LENGTH: 2045 base pairs
TYPE: nucleic acid

STRANDEDNESS: double
TOPOLOGY: linear

MOLECULE TYPE: cDNA
SEQUENCE DESCRIPTION: SEQ ID NO: 1:

US-09-861-270-1

Query Match 87.0%; Score 1952.2; DB 10; Length 2045;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 1965; Conservative 0; Mismatches 3; Indels 1; Gaps 1;

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QY 108 GCGAGCTTGACGCTCACAGAGTGTGCGGCTATTGGAGCTTTGTCCAGTGTACAGCTGAGAC 167
DB 138 GCGAGCTTGACGCTCACAGAGTGTGCGGCTATTGGAGCTTTGTCCAGTGTACAGCTGAGAC 197
QY 168 AACAGGACACGAGGAGGAGTGTAGAGAGAGAGCGCGGAGAGAGAGAGAGAGAGAGAGAGAG 227
DB 198 AACAGGACACGAGGAGGAGTGTAGAGAGAGAGCGCGGAGAGAGAGAGAGAGAGAGAGAGAG 257
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QY 468 AGTCTAAGAGTAGAGTGTCTGCTGAAGTCAATCCATCAGGTTGAAGAGACACTTGTATACAG 527
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DB 617 ATGTCAGGAGCTTCTGAGATATTTTACGGGAAAGAGATAAGCTGTCTGTCGGGAGCTTG 676
QY 648 CTGAAGTGTCTACAGAGTGTGAGGATTTGACCTGTCAACAGTATCTTGAAGATGACA 707
DB 677 CTGAAGTGTCTACAGAGTGTGAGGATTTGACCTGTCAACAGTATCTTGAAGATGACA 736
QY 708 GAAAAGCTGTGAGAGACCTGCTCAGGAACCTTACCTTGTTCGAGCTATAGAGATGC 767
DB 737 GAAAAGCTGTGAGAGACCTGCTCAGGAACCTTACCTTGTTCGAGCTATAGAGATGC 796
QY 768 TGATGCGAGAGATGTTGAGGATTTGGATAAATCTGATGTCTCTCAATTAATTTTCCTCA 827
DB 797 TGATGCGAGAGATTTGAGGATTTGGATAAATCTGATGTCTCTCAATTAATTTTCCTCA 856
QY 828 TGAAGGATTACATGGGCGGAGGCAAGATAGCAAGGAGAGAGATTTCTTGGACCTTGTGG 887
DB 857 TGAAGGATTACATGGGCGGAGGCAAGATAGCAAGGAGAGAGATTTCTTGGACCTTGTGG 916
QY 888 TTGAGTTGGAGAACTAAATTTGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 947
DB 917 TTGAGTTGGAGAACTAAATTTGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 976
QY 948 TAAAGAACATCCACAGATAGACCTTGAAGACAAATAATCCAGAGTGTACAGAGCTTTTTC 1007
DB 977 TAAAGAACATCCACAGATAGACCTTGAAGACAAATAATCCAGAGTGTACAGAGCTTTTTC 1036
QY 1008 AAGGAGGAGGAGCAAGTTACAGGAATGTTCTCCAAGCAGCAATCCCAAGAGCTTCAAGG 1067
DB 1037 AAGGAGGAGGAGCAAGTTACAGGAATGTTCTCCAAGCAGCAATCCCAAGAGCTTCAAGG 1096
QY 1068 ATCCTTCAAAATCTTCAGGCTCCATTAATGGGAGAGTAAAGAACAAAGACTTAAAGAAC 1127
DB 1097 ATCCTTCAAAATCTTCAGGCTCCATTAATGGGAGAGTAAAGAACAAAGACTTAAAGAAC 1156
QY 1128 AGCTTGGCGCTCAACAGAACACAGTGTGAAGAAATCCATTCAGGAAATCAGAGCTTTTTC 1187
DB 1157 AGCTTGGCGCTCAACAGAACACAGTGTGAAGAAATCCATTCAGGAAATCAGAGCTTTTTC 1216
QY 1188 CTGAGAGCATACCTGAGAGAGATACAAGATGAAGCAAGCCCTAGGAAATCTGCTGTA 1247
DB 1217 CTGAGAGCATACCTGAGAGAGATACAAGATGAAGCAAGCCCTAGGAAATCTGCTGTA 1276
QY 1248 TAATCGATTTCATTTGGCAATGAGACAGAGCTTCTTTCGAGACACTTCACTTCCCTGGCT 1307
DB 1277 TAATCGATTTCATTTGGCAATGAGACAGAGCTTCTTTCGAGACACTTCACTTCCCTGGCT 1336
QY 1308 ATGAAGTCCAGAAATTTCTGCAATCTCAGTATGATGATATATCCAGATTTCTTGGCCAA 1367
DB 1337 ATGAAGTCCAGAAATTTCTGCAATCTCAGTATGATGATATATCCAGATTTCTTGGCCAA 1396
QY 1368 TTGCTGTATGCGGAGGAGACTACGAGACTACGAGACTTGTGTGTGCTGCTGCTGCTGCTG 1427
DB 1397 TTGCTGTATGCGGAGGAGACTACGAGACTACGAGACTTGTGTGTGCTGCTGCTGCTGCTG 1456
QY 1428 GAGGCTCCCAAGAGTGTGATGTTGTTGATCAGACTCACTCAGGCTTCCCTGCTGCTGCTGCTG 1487
DB 1457 GAGGCTCCCAAGAGTGTGATGTTGTTGATCAGACTCACTCAGGCTTCCCTGCTGCTGCTG 1516
QY 1488 TCAGGAGGATTTTCATGGGAGATTTTCATGCTGCTTATCTAGCAGGAGAGAGAGAGATGTTT 1547
DB 1517 TCAGGAGGATTTTCATGGGAGATTTTCATGCTGCTTATCTAGCAGGAGAGAGAGAGATGTTT 1576

Qy 1548 TATTTCAGAACTATGTGTTGTCTCAGAGGCGCAGCTGGAGAACAGCAGCTCTTGGAGCTGG 1607
Db 1577 TATTTCAGAACTATGTGTTGTCTCAGAGGCGCAGCTGGAGAACAGCAGCTCTTGGAGCTGG 1636
Qy 1608 ATGGCCAGGCGATCAAGAAATGTGAATTCAGAGGCTCAGAGGCGAGGGCTGTGCACAGTTC 1667
Db 1637 ATGGCCAGGCGATCAAGAAATGTGAATTCAGAGGCTCAGAGGCGAGGGCTGTGCACAGTTC 1696
Qy 1668 ACCGAGAGCTGACTTCTCTGGAGCCTGTGTACTGCGGACATCTCCCTGCTGAGCAGT 1727
Db 1697 ACCGAGAGCTGACTTCTCTGGAGCCTGTGTACTGCGGACATCTCCCTGCTGAGCAGT 1756
Qy 1728 CTCACAGCTCACCTCCCTGTACCTGACCTGAGTCCCTCCAGAACTGAGACAAAGAA 1787
Db 1757 CTCACAGCTCACCTCCCTGTACCTGACCTGAGTCCCTCCAGAACTGAGACAAAGAA 1816
Qy 1788 AACGCCCACTCTCTGATCTTCACTATGAACCTCAATGGCTACATGTATGTTGGAACAGCA 1847
Db 1817 AACGCCCACTCTCTGATCTTCACTATGAACCTCAATGGCTACATGTATGTTGGAACAGCA 1876
Qy 1848 GAGTTTCTGCCAAGGAGAAATATTATGTCTGGCTGCGAGCAGCTCTGAGAAAGAACTTA 1907
Db 1877 GAGTTTCTGCCAAGGAGAAATATTATGTCTGGCTGCGAGCAGCTCTGAGAAAGAACTTA 1936
Qy 1908 TCCTCTCTACACATAGAAACCAAAAGGCTGGGCTAGTGGCTCACACCTGTATATCCCA 1967
Db 1937 TCCTCTCTACACATAGAAACCAAAAGGCTGGGCTAGTGGCTCACACCTGTATATCCCA 1996
Qy 1968 GCACCTTTGGGAGGCCAAGGAGGCGAGATCACTTCAGGTTCAGAGTTCGA 2016
Db 1997 GCACCTTTGGGAGGCCAAGGAGGCGAGATCACTTCAGGTTCAGAGTTCGA 2045

RESULT 3

US-09-410-194-18

; Sequence 18, Application US/09410194

; Patent No. US20020095030A1

; GENERAL INFORMATION:

; APPLICANT: Tschopp, Jurg

; APPLICANT: Thome, Margot

; APPLICANT: Burns, Kimberly

; APPLICANT: Imler, Marten

; APPLICANT: Hahne, Michael

; APPLICANT: Schroter, Michael

; APPLICANT: Schneider, Pascal

; APPLICANT: Bodmer, Jean- Luc

; APPLICANT: Steiner, Veronique

; APPLICANT: Rimoldi, Donata

; APPLICANT: Hofmann, Kay

; APPLICANT: French, E. Lars

; TITLE OF INVENTION: FLIP GENES AND FLIP PROTEINS

; FILE REFERENCE: 11141-002001

; CURRENT APPLICATION NUMBER: US/09/410,194

; CURRENT FILING DATE: 1999-09-30

; PRIOR APPLICATION NUMBER: PCT/EP98/01857

; PRIOR FILING DATE: 1998-03-31

; PRIOR APPLICATION NUMBER: GERMANY 197 13 393.2

; NUMBER OF SEQ ID NOS: 27

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 18

; LENGTH: 2452

; TYPE: DNA

; ORGANISM: Mus musculus

; NAME/KEY: CDS

; LOCATION: (172)...(1614)

US-09-410-194-18

Query Match

Best Local Similarity 37.98; Score 849.6; DB 10; Length 2452;

Matches 1173; Conservative 0; Mismatches 454; Indels 21; Gaps 3;

Qy 313 AGCGCAGGAGAGTCCGCGCGCAGCAGCAGAACTCCCCACCTGGAAGGATTCTGAAAG 372
Db 9 AGCCTCTCAAGCGGCCACTTAGGCCCGCAGAGAGTGTCTTATTTGCAAGAACTCTGAGAG 68
Qy 373 AAATGAAGTCAAGCCCTCAGAAATGAAGTTGACTCCCTGCTGCG-----CTTTCTCGT 423
Db 69 AAATGAAGAGAGTCTCTCAGCAATGATCTTGGCTTCTGCTGGTTCCCGAGAGCCCTGCTTAA 128
Qy 424 TGAATGCGCGGAGCTGTACTGCAAGACCCCTTGTGAGCTTCCCTAGTCTTAGAGATGAGAT 483
Db 129 TGAATGAGAGCTGACACAGAGAACCTTGGCTGTCTTGAACATGCCCCAGAGCCCTGT 188
Qy 484 GTCTGCTGAAGTCAATCATCAGGTTGAAGAGCACATTTGATACAGATGAGAAGAGAGATGCT 543
Db 189 GTCTGCGAGGCTCAATCAGAGTGAAGAGTGTCTTGTATGAAGACGAGAGAGAGATGAT 248
Qy 544 GCTCTTTTGTGCGGAGATGTTGCTATAGATGTGGTTTCCACCTTAATGTACAGGACCTTCT 603
Db 249 GCTCTTCTGTGTAGAGATGTGACTGAGAACCTGGCTGCACCTAACGTCAGGGACCTCTCT 308
Qy 604 GGATATTTTACGGGAAAGAGGTAGCTGTCTGTCGGGACTTGGCTGACTGCTCTACAG 663
Db 309 GGATAGCTTAAAGTCAGAGAGGCCAGCTCTCTTTTGTACCTTGGCTGAAATGCTCTACAG 368
Qy 664 AGTGAGGCGATTTGACCTGTCTCAAAACCTATCTTGAAGATGGACAGAAAGCTGTGGAGAC 723
Db 369 AGTGAGGCGGTTTGACCTTCTCAAGAGAGATCTTGAAGACAGACAAAGCAACCTGGAGGA 428
Qy 724 CCACCTGCTCAGGAAACCTCACCTTGTTCGGACTATAGAGTGTCTGATGGCAGAGATGG 783
Db 429 CCACCTGCGCAGAAACCTCACCTGTTCTGATTTATAGGCTCTGCTGATGGAGATGG 488
Qy 784 TGAGGATTTGGATAAATCTGATGTCTCTCATTAATTTTCTCATGAAGGATTACATGGG 843
Db 489 TGAGAGCTTAGATCAGAACGATGTATCTCTTAGTTTCTTCAAGGGGATTACACAG 548
Qy 844 CCGAGGCAAGATAAGCAGAGAGAGTTCCTTGGACCTTGTGCTGTTGAGTTGGAGAACT 903
Db 549 CAGAGGCAGATAGCCAAAGGACAGAGTTCCTTGGATCTGCTGATTTGAATGGAGAACT 608
Qy 904 AAATTTGTTGCCCCAGATCAACTGGATTTATTAAGAAAATGCTTAAAGAACATCCACAG 963
Db 609 GAATCTAATTTGCTTCAGACCAATTTGAATTTGTTAGAAAAATGCTTGAAGAACATCCACAG 668
Qy 964 AATAGACTGAAGACAAAAATCCAGAAATCAACAGCTCTCTTCAAGGAGCAGGAGCAAG 1023
Db 569 AATAGACTTGAACAAAGATCCAGAAATCAACAGCTCTTCAAGGAGCAGGAGCAAGTCAA 728
Qy 1024 TTACAGGAATGTTCTTCCAAAGCAGCAATCCAAAGAGTCTTCAAGGATCTTCAAAATACTT 1083
Db 729 TATGAATACTCTCCAGGCTTCGCTCCCAAAATTCAGTATCAAG-----TATAACTC 779
Qy 1084 CAGGCTCATTAATGGGAGAGTAAAGAACAAAGACTTTAAGGAACAGCTTGGCGCTCAACA 1143
Db 780 AAGGCTCCAGAAATGGCGAAGTAAAGAGCCAAAGATTTGTGGAATACCGTGCAGACGTCAAAG 839
Qy 1144 AGAACCTGTAAGAAATCCATTCAAGGAATCAGAACTTTTGTGCTCAGACATCACTGA 1203
Db 840 AACACTGGTGAAGACATCCATCCAGGAATCAGAGCTTTTTTACCTCCGACATCCGCTGA 899
Qy 1204 AGAGAGATACAAAGATGAAGAGCAAGCCCTTAGGAATCTGCTGATTAATTCGATTGG 1263
Db 900 AGAGACTTACAGGATGACAGCAAGCCCTTAGGAATCTGCTTGTATGATTGATTGG 959
Qy 1264 CAATGAGACAGAGCTTCTTTCGAGACACCTTTCACCTTCCCTGGGCTATGAAGTCCAGAAAT 1323
Db 960 CAACGACACAAAAATATCTTCAAGAGACCTTCACTTCCCTGGGCTATCATATACGAGCTTT 1019
Qy 1324 CTTGCATCTCAGTATGATGGTATATCCAGATTTCTTGGCCAAATTTGCTCTATGCCCGA 1383
Db 1020 CTTGTTTCCCAAGTCATGATGATCAACCAAGATTTGTCGCGGATGATCAAGATATGGGCCA 1079
Qy 1384 GCACCGAGACTACGACAGCTTTGTGTCTTGGTGGCGGAGGAGGCTCCACAGAGTGT 1443

Db	1080	ACATCAAGACTATGACAGCTTTTGCATGTGTTCTGTTGAGCCTTAGAGGCTCCCAAGCAT	1139
Qy	1444	GTATGTGGTGGATCAGACTCACTCAGGGCTCCCTCGATCACAATCAGGAGGATGTTTCAT	1503
Db	1140	GATGGGCAGAGATCAAGTTTCACTCAGGGTTCTCCTTGGCATCATGTCAAGAACATGTTCCAC	1199
Qy	1504	GGCAGATTTCATGCCCTTATCTACGAGGAGCCAAAGATGTTTTTATTACAGACTATGT	1563
Db	1200	GGGGGACAGCTGGCCCTTCTTCAGAGGGAAGCAAGCTCTTTTATTACAGAACTATGA	1259
Qy	1564	GGTGTCCAGAGGGCCAGCTCGGAACAAGCAGCCCTCTTGAGGTGGATGGGCCAGCGCATGAA	1623
Db	1260	GTGCTTAGGTAGCCAGTTGGAAGATAGCAGCC---TGAGGTAGATGGGCCATCAATAA	1316
Qy	1624	GAATGTGGAAATTCAGGCTCAGAACGAGGGCTGTGCACAGTTCCACGAGAAAGCTGACTT	1683
Db	1317	AAATGTGGGACTCTTAAGCCCTCTCAACCAGACACTGCAACAACCTCACCCAGAAGCTGATAT	1376
Qy	1684	CTTCTGGAGCCTGTGTACTCGGAGCATGTCCCTGCTGGAGCAGTCTCACAGCTCACCGTC	1743
Db	1377	CTTTTGGAGCCTGTGCACAGCAGATGTCTCATTGGAGAGCCCTCCAGCTCATCCTC	1436
Qy	1744	CCGTACTGTCAGTGCCTCTCCAGAAACTGAGACAAGAAAAGCCACCTCTCTGGA	1803
Db	1437	TGTGTATCTGCAGAAGCTCTCCAGCAGCTGAAGCAAGCAGGAGAGCCCACTCGTGA	1496
Qy	1804	TCCTCAGATTGAATCAATGGCTACATGTATGATTGGAAACAGCAGAGTTCCTGCCAAGGA	1863
Db	1497	CTTCCACGTTGAATCATGGACAAGATGTATGCGTGGAAACAGTGGTGTTCGTCTAAGGA	1556
Qy	1864	GAATATTATGTCTGGCTCGACACACTCTGAGAAGAAACTTATCTCTCCTACACATA	1923
Db	1557	GAATACAGCCTCAGCCTGCACACACTCTGAGGAGAAACTCATCTCGGCTCCTACGTG	1616
Qy	1924	AGAAACAAAAGGCTGGCGTATGTGGCT	1951
Db	1617	AGAACCCACAGCCGTGGTGTCTTGGT	1644

RESULT 4

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US-10-005-921-1
; Sequence 1, Application US/10005921
; Patent NO. US20020174450A1
; GENERAL INFORMATION:
; APPLICANT: Allen, Keith D.
; APPLICANT: Leviten, Michael W.
; TITLE OF INVENTION: TRANSGENIC MICE CONTAINING
; TITLE OF INVENTION: DISRUPTIONS
; FILE REFERENCE: R-714
; CURRENT APPLICATION NUMBER: US/10/005,921
; CURRENT FILING DATE: 2001-12-04
; PRIOR APPLICATION NUMBER: US 60/254,902
; PRIOR FILING DATE: 2000-12-11
; NUMBER OF SEQ ID NOS: 4
; SEQ ID NO 1
; SEQ ID NO 2
; SEQ ID NO 3
; SEQ ID NO 4
; LENGTH: 2770
; TYPE: DNA
; ORGANISM: Mus musculus
US-10-005-921-1

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	Query Match	36.3%	Score 813.6;	DB 9;	Length 2770;
	Best Local Similarity	73.2%;	Pred. No. 6.8e-252;		
	Matches 1092;	Conservative	0;	Mismatches 379;	Indels 21; Gaps 3;
QY	469	GTCTAAGAGTAGGATGCTCTGCTGAAGTCATCCATCAGGTTGAAGACACCTTGATACAGA	528		
Db	77	GGCCACGAGCCCTGTGCTGCGGAGGTCAATTCACAGGTGGAAGAGTGCTCTTGATGAAGA	136		
QY	529	TGAGAAGAGATGCTGCTCTCTTTTGTCCGGGATGTGCTATAGATGTGGTTCCACCTAA	588		
Db	137	CGAAGAGGAGATGATGCTCTTCGTGTAGAGATGTGACTGAGAACCCTGGCTGACCTTAA	196		

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QY 1660 CACAGTTACCGAGAACTGCTCTTCTTGAGCGCTGTGACTGCGGACATGTCCTCGCT 1719
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1265 CACAACTACCCAGAGCTGATATCTTTTGGAGCGCTGTGACAGCAGACGATATCTACAT 1324

QY 1720 GGAGCAGTCTACAGCTACCGGTCCTGTACCTGTACCTGTGAGTGCCTCTCCAGAACTGAGACA 1779
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1325 GGAGAGCCCTCCAGCTCATCTCTGTGTATCTGCAAGAGCTCTCCAGCAGCTGAAGCA 1384

QY 1780 AGAAGAAAGCCCACTCTGCTGATCTTACATTTGAACCTCAATGGCTACATGTATGATTG 1839
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1385 AGCAGAGAGCGGCCACTCTGTGAGCTTCCAGCTTGAACCTCATGACAAAGTGTATGCGTG 1444

QY 1840 GAACAGCAGAGTCTTCTCCAGAGAGAAATATATGTCTGCTGCGAGCACACTCTGAGAAA 1899
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1445 GAACAGTGGTGTTCGCTTAAGAGAAATACAGCCTCAGCCTGCAGCACACTCTGAGGAA 1504

QY 1900 GAACTTATCTCTCTACACATAAGAAACCAAGAGCTGGCGGTAGTGGCT 1951
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1505 GAAACTATCTCTGCTCTACGTGAGAAACCCAGACCGTGGTGGTCTTGGT 1556
```

RESULT 5

US-09-410-194-14

; Sequence 14, Application US/09410194

; Patent No. US20020095030A1

; GENERAL INFORMATION:

; APPLICANT: Tschoep, Juerg

; APPLICANT: Thome, Margot

; APPLICANT: Burns, Kimberley

; APPLICANT: Imler, Marten

; APPLICANT: Hahne, Michael

; APPLICANT: Schroter, Michael

; APPLICANT: Schneider, Pascal

; APPLICANT: Bodmer, Jean-Luc

; APPLICANT: Steiner, Veronique

; APPLICANT: Rimoldi, Donata

; APPLICANT: Hofmann, Kay

; APPLICANT: French, E. Lars

; TITLE OF INVENTION: FLIP GENES AND FLIP PROTEINS

; FILE REFERENCE: 11141-002001

; CURRENT APPLICATION NUMBER: US/09/410,194

; PRIOR FILING DATE: 1999-09-30

; PRIOR FILING DATE: 1998-03-31

; PRIOR FILING DATE: 1997-04-01

; NUMBER OF SEQ ID NOS: 27

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 14

; LENGTH: 1190

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: CDS

; LOCATION: (394)...(1056)

US-09-410-194-14

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Query Match      32.6%; Score 731.8; DB 10; Length 1190;
Best Local Similarity 99.6%; Pred. No. 1.1e-225;
Matches 744; Conservative 0; Mismatches 2; Indels 1; Gaps 1;
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QY 343 GAATCCCCCACTGGAAGAGTCTGAAAGAAATGAAGTCAAGCCTCAGAAATGAAGTTG 402
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 256. GAATCCCCCACTGGAAGAGTCTGAAAGAAATGAAGTCAAGCCTCAGAAATGAAGTTG 315

QY 403 ACTGCCGTGCTGCTTCTCTGTGACTGGCCCGGAGCTGTACTGCAAGACCTTGTGAGCT 462
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 316 ACTGCCGTGCTGCTTCTCTGTGACTGGCCCGGAGCTGTACTGCAAGACCTTGTGAGCT 374

QY 463 TCCCTAGTCTAAGAGTAGGATGTCTGCTGAGTCAATCCATCAGGTTCGAAGACACTTGA 522
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 375 TCCCTAGTCTAAGAGTAGGATGTCTGCTGAGTCAATCCATCAGGTTCGAAGACACTTGA 434
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```
QY 523 TACAGATGAGAAGGAGATGCTGCTCTTTTGTGCCGGGATGTGCTATAGATGTGGTTCC 582
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 435 TACAGATGAGAAGGAGATGCTGCTCTTTTGTGCCGGGATGTGCTATAGATGTGGTTCC 494

QY 583 ACCATAATGTACAGGACCTTCTTGATATTTTACGGGAAAGAGGTPAAGCTGTCTGTGCGGGA 642
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 495 ACCATAATGTACAGGACCTTCTTGATATTTTACGGGAAAGAGGTPAAGCTGTCTGTGCGGGA 554

QY 643 CTTGGCTGACCTCTACAGAGTGAGGCGATTTGACCTGCTCAACGCTATCTTGAAGAT 702
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 555 CTTGGCTGACCTCTCTACAGAGTGAGGCGATTTGACCTGCTCAACGCTATCTTGAAGAT 614

QY 703 GGACAGAAAGAGCTGTGAGACCCACCTGCTCAGGAAACCTCAGCTTGTTCGGACTATAG 762
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 615 GGACAGAAAGAGCTGTGAGACCCACCTGCTCAGGAAACCTCAGCTTGTTCGGACTATAG 674

QY 763 AGTGTGTATGGCAGAGATTTGGTGAGGATTTGGATAAATCTGATGTCTCCTCATTAATTT 822
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 675 AGTGTGTATGGCAGAGATTTGGTGAGGATTTGGATAAATCTGATGTCTCCTCATTAATTT 734

QY 823 CCTCATGAAGGATTACATGGCCGAGGCAAGATAAGCAAGGAAAGAGTTTCTTGACCT 882
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 735 CCTCATGAAGGATTACATGGCCGAGGCAAGATAAGCAAGGAAAGAGTTTCTTGACCT 794

QY 883 TGTGTTGAGCTTGGAGAAACTAAATTTGTTGCCCGAGATCAACTGGATTTATTAGAAA 942
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 795 TGTGTTGAGCTTGGAGAAACTAAATCTGTTGCCCGAGATCAACTGGATTTATTAGAAA 854

QY 943 ATGCTTAAAGAACATCCACAGATAGACCTGAAGACAAAATCCAGAAAGTACAGCAGTC 1002
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 855 ATGCTTAAAGAACATCCACAGATAGACCTGAAGACAAAATCCAGAAAGTACAGCAGTC 914

QY 1003 TGTTCAGGAGGAGGAGCAAGTTACAGGAATGTTCTCCAGCAGCAATCCAAAAGAGTCT 1062
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 915 TGTTCAGGAGGAGGAGCAAGTTACAGGAATGTTCTCCAGCAGCAATCCAAAAGAGTCT 974

QY 1063 CAAGGATCCTTCAATAAATTCAGGCT 1089
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 975 CAAGGATCCTTCAATAAATTCAGGAT 1001
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RESULT 6

US-09-833-381-436/c

; Sequence 436, Application US/09833381

; Patent No. US20020132090A1

; GENERAL INFORMATION:

; APPLICANT: Robison, Keith E.

; TITLE OF INVENTION: No. US20020132090A1el Nucleic Acid and Protein Homologs

; FILE REFERENCE: 5800-119

; CURRENT APPLICATION NUMBER: US/09/833,381

; PRIOR FILING DATE: 2001-04-11

; PRIOR APPLICATION NUMBER: 09/516,448

; PRIOR FILING DATE: 2000-02-29

; NUMBER OF SEQ ID NOS: 2050

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 436

; LENGTH: 490

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: misc_feature

; LOCATION: (1)...(490)

; OTHER INFORMATION: n = A,T,C or G

US-09-833-381-436

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Query Match      13.7%; Score 307.6; DB 10; Length 490;
Best Local Similarity 81.2%; Pred. No. 8.2e-89;
Matches 355; Conservative 0; Mismatches 82; Indels 0; Gaps 0;
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QY 653 CTGCTCTACAGAGTGAGGCGATTTGACCTGCTCAACGCTATCTTGAAGATGGACAGAAA 712
      ||| |||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 490 CTGTTCTATAGATGAGGCGATTTGATGCTCTACATGCTCTCGCACATCGACACAAACA 431
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1	PRIOR APPLICATION NUMBER:	US 60/236,359
2	PRIOR FILING DATE:	2000-09-27
3	PRIOR APPLICATION NUMBER:	PCT/US01/000666
4	PRIOR FILING DATE:	2001-01-30
5	PRIOR APPLICATION NUMBER:	PCT/US01/000667
6	PRIOR FILING DATE:	2001-01-30
7	PRIOR APPLICATION NUMBER:	PCT/US01/000664
8	PRIOR FILING DATE:	2001-01-30
9	PRIOR APPLICATION NUMBER:	PCT/US01/000669
10	PRIOR FILING DATE:	2001-01-30
11	PRIOR APPLICATION NUMBER:	PCT/US01/000665
12	PRIOR FILING DATE:	2001-01-30
13	PRIOR APPLICATION NUMBER:	PCT/US01/000668
14	PRIOR FILING DATE:	2001-01-30
15	PRIOR APPLICATION NUMBER:	PCT/US01/000653
16	PRIOR FILING DATE:	2001-01-30
17	PRIOR APPLICATION NUMBER:	PCT/US01/000662
18	PRIOR FILING DATE:	2001-01-30
19	PRIOR APPLICATION NUMBER:	PCT/US01/000661
20	PRIOR FILING DATE:	2001-01-30
21	PRIOR APPLICATION NUMBER:	PCT/US01/000670
22	PRIOR FILING DATE:	2001-01-30
23	PRIOR APPLICATION NUMBER:	US 60/234,687
24	PRIOR FILING DATE:	2000-09-21
25	PRIOR APPLICATION NUMBER:	US 09/608,408
26	PRIOR FILING DATE:	2000-06-30
27	PRIOR APPLICATION NUMBER:	US 09/774,203
28	PRIOR FILING DATE:	2001-01-29
29	NUMBER OF SEQ ID NOS:	49117
30	SOFTWARE:	Annomax Sequence Listing Engine
31	SEQ ID NO 1769	
32	LENGTH:	430
33	TYPE:	DNA
34	ORGANISM:	Homo sapiens
35	FEATURE:	
36	OTHER INFORMATION:	MAP TO AC007283.3
37	OTHER INFORMATION:	EXPRESSED IN FETAL L
38	OTHER INFORMATION:	EXPRESSED IN ADULT L
39	OTHER INFORMATION:	EXPRESSED IN HBL100
40	OTHER INFORMATION:	EXPRESSED IN HBL100, S
41	OTHER INFORMATION:	EXPRESSED IN HEAT
42	OTHER INFORMATION:	EXPRESSED IN BONE MAR
43	OTHER INFORMATION:	EXPRESSED IN LUNG, S
44	OTHER INFORMATION:	EXPRESSED IN BRAIN,
45	OTHER INFORMATION:	EXPRESSED IN BT474,
46	OTHER INFORMATION:	EXPRESSED IN PLACENT
47	US-09-864-761-1769	

RESULT 9
US-09-864-761-18522/c
; Sequence 18522, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL
; FILE REFERENCE: Aemica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annonax Sequence Listing Engine vers. 1.1
; SEQ ID NO 18522
; LENGTH: 227
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC007283.3
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 2.3
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 3.1
; OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 2.4
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 2.7
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 3.8
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 2.8
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 5.4
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.6
; OTHER INFORMATION: EXPRESSED IN BT47A, SIGNAL = 3.6
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 5.9
; OTHER INFORMATION: EST_HUMAN HIT: A1139524.1, EVALUATE 1.00e-122
; OTHER INFORMATION: NT HIT: AF015450.1, EVALUATE 1.00e-125
; OTHER INFORMATION: SWISSPROT HIT: P96254, EVALUATE 6.60e+00
US-09-864-761-18522

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; NAME/KEY: misc feature
; LOCATION: (364)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (374)
; OTHER INFORMATION: n equals a,t,g, or c
US-09-783--590-4424

Query Match          9.5%; Score 213; DB 10; Length 389;
Best Local Similarity 93.2%; Pred. No. 2.7e-58;
Matches 287; Conservative 0; Mismatches 13; Indels 8; Gaps

QY 1053 AAAGAGCTCTCAAGGATCCCTCAATAATACCTCAGGCTCCATAATGGGAGAGTAAGAAGC 1112
Db 14 ANAAGAGTCTCAAGGATCCCTCAATAATACCTCAGGCTCCATAATGGGAGAGTAAGAAGC 73
QY 1113 AAAGACTTAAAGGAACAGCTTTGGCGCTCAACAAAGAACACAGTC- AAGAATAATCCATTACAGAA 1171
Db 74 AAAGACTTAAAGGACAGCTTTGGCGCTCAACAAAGAACACAGTGNAAAGAAATCCATTACAGAA 1333
QY 1172 TCAGAAGCTTTTTTGGCTCAGAGCATACCTGAAGAGAGATACAAGATCAAGAGCAAGCCCC 1231
Db 134 TCAGAAGCTTTTTTGGCTCAGAGCATACCTGAAGAGAGATACAAGATCAAGAGCAAGCCCC 193
QY 1232 CTA-GGAATCTGCCTGGAT-AATCGATTGCATGGCAATGA-GACAGAGCTTCTTC-TGCA 1287
Db 194 CTAGGGAATCTGCCTGATAAATCGATTGCAATGGCAATGAGGACAGAGCTTCTTCGGGGA 253
QY 1288 CACCTTCACCTTCCCTGGGCGTATGAA--GTCCAGAAAATCTTTCATCTCAGTATGCATGG 1344
Db 254 CACCTTCACCTTCCCTGGGCGTATGAAATGCCAGGAAATCTTTCATCTCAGTATGCATGG 313
QY 1345 TATATCCC 1352
Db 314 TATNTCC 321

RESULT 11
US-09-864-761-19899/c
; Sequence 19899, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES
; TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
; FILE REFERENCE: Aecomica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30

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; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 43117
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 19899
; LENGTH: 177
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC007272.2
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 2.5
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 8
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 2
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 2.1
; OTHER INFORMATION: EXPRESSED IN HL100, SIGNAL = 1.9
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 3.3
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 3.5
; OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 2.6
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 2.5
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 2
; OTHER INFORMATION: SWISSPROT HIT: Q51391, EVALUE 4.90e+00
; OTHER INFORMATION: EST_HUMAN HIT: AV691851.1, EVALUE 3.00e-95
; OTHER INFORMATION: NT HIT: AF015450.1, EVALUE 2.00e-95
; US-09-864-761-19899

Query Match 7.9%; Score 177; DB 10; Length 177;
Best Local Similarity 100.0%; Pred. No. 6.9e-47;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 482 ATGTCGCTGAAGTCATCCATCAGGTTGAAGAGCACTTGATACAGATGAGAGGAGATG 541
Db 177 ATGTCGCTGAAGTCATCCATCAGGTTGAAGAGCACTTGATACAGATGAGAGGAGATG 118
Qy 542 CTGCTCTTTTGTCCGGGATGTTGCTATAGATGCTCCACTATATGTCAGGACCTT 601
Db 117 CTGCTCTTTTGTCCGGGATGTTGCTATAGATGCTCCACTATATGTCAGGACCTT 58
Qy 602 CTGGATATTTTACGGGAAGAGGTAAGCTGTCTCTCGGGGACTTGGCTGAAGTCTC 658
Db 57 CTGGATATTTTACGGGAAGAGGTAAGCTGTCTCTCGGGGACTTGGCTGAAGTCTC 1

RESULT 12
US-09-875-114-2/c
; Sequence 2, Application US/09875114
; Patent No. US20020002131a1
; GENERAL INFORMATION:
; APPLICANT: No. US20020002131a1 Northwestern University
; APPLICANT: No. US20020002131a1 Bouck
; APPLICANT: David Dawson
; APPLICANT: Paul Gillis
; TITLE OF INVENTION: Methods and Compositions for Inhibiting Angiogenesis
; FILE REFERENCE: 0290-2302
; CURRENT APPLICATION NUMBER: US/09/875,114
; CURRENT FILING DATE: 2001-06-06
; PRIOR APPLICATION NUMBER: US 09/122,079
; PRIOR FILING DATE: 1998-07-23
; PRIOR APPLICATION NUMBER: PCT/US98/15228
; PRIOR FILING DATE: 1998-07-23
; PRIOR APPLICATION NUMBER: US 08/899,304
; PRIOR FILING DATE: 1997-07-23

; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: Patent Ver. 2.1
; SEQ ID NO 2
; LENGTH: 22484
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: Unsure
; LOCATION: 1...22484
; OTHER INFORMATION: "n" means either a, c, t, or g
; US-09-875-114-2

Query Match 7.8%; Score 175; DB 10; Length 22484;
Best Local Similarity 76.2%; Pred. No. 7.5e-45;
Matches 246; Conservative 0; Mismatches 65; Indels 12; Gaps 2;

Qy 1921 ATAAGAAACCAAAAGGCTGGCTAGTGGCTACACCTGTGTAATCCAGCAGCTTTGGGAGG 1980
Db 9823 AAAAAAAAAAAAAAGGCCAGCGCAGTGGCTCAAACTGTAAATCCAGCAGCTTTGAGAGG 9764
Qy 1981 CCAGGAGGCGCAGATCACTTCAGGTCCAGAGTTCCAGAGCAGCTGCCCCAACATGG-TAA 2039
Db 9763 CCAGGCGGGGTAGTACCTTCAGGTCCAGAGTTTGGAGCAGCTCTGGCCCAACATGGAGAA 9704
Qy 2040 ACCTGTCTCTCTAGTAAATAATGCAAAATAGTGGGTGTGGGTGTGGGTACCTGTGTTC 2099
Db 9703 ACCCATCTCTCTATAAATAATACAAAATAGCCGGGTGTGGTGGCGCATGCTGTATCC 9644
Qy 2100 CAGTTACTTGGGAGGCTGAGGTGGGAGGATCTTTTGAACCCAGAGTTTCAGGTCATAGC 2159
Db 9643 CAGCTACTTGGGAGGCTAAGGCCAGGAGAAATCACTTGAATCCAGGAAGTGGAGGTTCAGT 9584
Qy 2160 ATCTCTGATTTGCTACCAATAGCAGTCCATACCACTGGCAATATATACAGATC 2219
Db 9583 GAGCTGAGATCG-----CGCACATGCACTCCAGCTGGGCAACAGACAAGACT 9535
Qy 2220 CCATCTCTTTTAAAAAATAAAAAA 2242
Db 9534 CCATCTCAAAAAAATAAAAAA 9512

RESULT 13
US-09-880-107-3341/c
; Sequence 341, Application US/09880107
; Patent No. US20020142981a1
; GENERAL INFORMATION:
; APPLICANT: Horne, Darci T.
; APPLICANT: Vockley, Joseph G.
; APPLICANT: Scherf, Uwe
; APPLICANT: Gene Logic, Inc.
; TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer
; FILE REFERENCE: 44921-5028-WO
; CURRENT APPLICATION NUMBER: US/09/880,107
; CURRENT FILING DATE: 2001-06-14
; PRIOR APPLICATION NUMBER: US 60/211,379
; PRIOR FILING DATE: 2000-06-14
; PRIOR APPLICATION NUMBER: US 60/237,054
; PRIOR FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 3950
; SOFTWARE: Patent Ver. 2.1
; SEQ ID NO 3341
; LENGTH: 22484
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Genbank Accession No. US20020142981a1 U299953
; NAME/KEY: unsure
; LOCATION: (1)...(22484)
; OTHER INFORMATION: n = a or c or g or t
; US-09-880-107-3341

Query Match 7.8%; Score 175; DB 10; Length 22484;
Best Local Similarity 76.2%; Pred. No. 7.5e-45;
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Matches 246; Conservative 0; Mismatches 65; Indels 12; Gaps 2;

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QY 1921 ATAGAAACCAAGGCTGGCGTAGTGGCTACACCTGTAATCCCGACACTTTGGGAGG 1980
Db 1923 AAAAAAAAAAAGGCGGAGTGGCTCAAACTGTAATCCCGACACTTTGGAGG 9764
QY 1981 CCAAGGAGGCGAGATCACTTCAAGTCAGGAGTTCGAGACAGGCTGGCCCAACATGG-TAA 2039
Db 1973 CCAGGCGGCTAGATCACTTCAAGTCAGGAGTTCGAGACAGGCTGGCCCAACATGGAGAA 9704
QY 2040 AGCGTGTCCCTAGTAAATAATGCAAAATAGCTGGGTGGGTGCTGGGTACCTGTGTTC 2099
Db 19703 ACCCATCTCTACTATAAATAATGCAAAATAGCTGGGTGGGTGCTGGGTACCTGTGTTC 9644
QY 2100 CAGTTACTTGGGAGGCTGAGTGGGAGGATCTTTTGAACCCAGGAGTTCAGGTCATAGC 2159
Db 19643 CAGCTACTTGGGAGGCTGAGTGGGAGGATCTTTTGAACCCAGGAGTTCAGGTCATAGC 9584
QY 2160 ATGCTGTGATTGTGCCTTACGAATAGCCACTGTCATACCACTGGGCAATATAGCAAGATC 2219
Db 19583 GAGCTGAGATCG-----CGCCTGCACTCCAGGCTGGGCAACAGACAGACT 9535
QY 2220 CCATCTCTTTTAAAAAATAAATAA 2242
Db 19534 CCATCTCAAAAAAATAAATAA 9512
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RESULT 14

US-10-092-154-2001/c
; Sequence 2001, Application US/10092154
; Publication No. US20030054375A1

GENERAL INFORMATION:

; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC009C1
; CURRENT APPLICATION NUMBER: US/10/092,154
; CURRENT FILING DATE: 2002-03-07
; NUMBER OF SEQ ID NOS: 2003
; Prior application removed - See File Wrapper or Palm
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2001

; LENGTH: 7737

; TYPE: DNA

; ORGANISM: Homo sapiens

US-10-092-154-2001

Query Match 7.8%; Score 174.8; DB 9; Length 7737;
Best Local Similarity 75.8%; Pred. No. 4.3e-45;
Matches 247; Conservative 0; Mismatches 67; Indels 12; Gaps 2;

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QY 1919 ACATAAGAAACCAAAAGGCTGGCGTAGTGGCTACACCTGTAATCCCGACACTTTGGGA 1978
Db 5052 AAATAATTACACATCAGCGCCGCGGCTGCTACACCTGTAATCCCGACACTTTGGGA 4993
QY 1979 GGCCAAGGAGGCGAGATCACTTCAGGTCAGGAGTTCGAGACAGGCTGGCCCAACATGGT- 2037
Db 4992 GGCGGAGGAGTGGATCAGATGAGTTCAGGAGTTCGAGACAGGCTGGCCCAACAGGGTG 4933
QY 2038 AAACGCTGTCCCTAGTAAATAATGCAAAATAGCTGGGTGGGTGCTGGGTACCTGTGTT 2097
Db 4932 AAATCCCGTCTCTACTATAAATAATGCAAAATAGCTGGGTGGGTGCTGGGTACCTGTGTT 4873
QY 2098 CCAGTGTACTTGGGAGGCTGAGTGGGAGGATCTTTTGAACCCAGGAGTTCAGGGTCATA 2157
Db 4872 CCAAGATACTTGGGAGGCTGAGTGGGAGGATCTTTTGAACCCAGGAGGAGGCTGCA 4813
QY 2158 GCATGCTGTGATTGTGCTACGAATAGCCACTGCATACCACTGGGCAATATAGCAAGA 2217
Db 4812 GTGAGCCGAGATTG-----ACCCACTGCCTCCAGCTGGGCAACAGAGCGAGA 4764
QY 2218 TCCCATCTCTTTTAAAAAATAAATAA 2243
Db 4763 CCTCATCTCAAAAAAATAAATAA 4738
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RESULT 15

US-09-764-887-453/c
; Sequence 453, Application US/09764887
; Patent No. US20020042096A1

GENERAL INFORMATION:

; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: P4113
; CURRENT APPLICATION NUMBER: US/09/764,887
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 658
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 453

; LENGTH: 7737

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-764-887-453

Query Match 7.8%; Score 174.8; DB 10; Length 7737;
Best Local Similarity 75.8%; Pred. No. 4.3e-45;
Matches 247; Conservative 0; Mismatches 67; Indels 12; Gaps 2;

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QY 1919 ACATAAGAAACCAAAAGGCTGGCGTAGTGGCTACACCTGTAATCCCGACACTTTGGGA 1978
Db 5052 AAATAATTACACATCAGCGCCGCGGCTGCTACACCTGTAATCCCGACACTTTGGGA 4993
QY 1979 GGCCAAGGAGGCGAGATCACTTCAGGTCAGGAGTTCGAGACAGGCTGGCCCAACATGGT- 2037
Db 4992 GGCGGAGGAGTGGATCAGATGAGTTCAGGAGTTCGAGACAGGCTGGCCCAACAGGGTG 4933
QY 2038 AAACGCTGTCCCTAGTAAATAATGCAAAATAGCTGGGTGGGTGCTGGGTACCTGTGTT 2097
Db 4932 AAATCCCGTCTCTACTATAAATAATGCAAAATAGCTGGGTGGGTGCTGGGTACCTGTGTT 4873
QY 2098 CCAGTGTACTTGGGAGGCTGAGTGGGAGGATCTTTTGAACCCAGGAGTTCAGGGTCATA 2157
Db 4872 CCAAGATACTTGGGAGGCTGAGTGGGAGGATCTTTTGAACCCAGGAGGAGGCTGCA 4813
QY 2158 GCATGCTGTGATTGTGCTACGAATAGCCACTGCATACCACTGGGCAATATAGCAAGA 2217
Db 4812 GTGAGCCGAGATTG-----ACCCACTGCCTCCAGCTGGGCAACAGAGCGAGA 4764
QY 2218 TCCCATCTCTTTTAAAAAATAAATAA 2243
Db 4763 CCTCATCTCAAAAAAATAAATAA 4738
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GenCore version 5.1.4_p5_4578
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OM nucleic - nucleic search, using sw model

Run on: April 12, 2003, 18:24:48 ; Search time 55.2066 Seconds
(without alignments)
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Title: US-09-380-546A-1
Perfect score: 2243
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Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 15338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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5: /cgn2_6/ptodata/1/ina/PTUS_COMB.seq: *
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*Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
d is derived by analysis of the total score distribution.

SUMMARIES

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2	1952.2	87.0	2045	4	US-08-795-088A-1
3	1619.2	72.2	1750	3	US-08-859-167-1
4	1619.2	72.2	1750	3	US-09-109-273-1
5	1619.2	72.2	1750	4	US-09-276-993-1
6	175	7.8	14581	4	US-08-520-373D-4
7	175	7.8	22481	4	US-08-367-841A-43
8	175	7.8	22481	5	PCT-US95-07201-43
9	175	7.8	22484	4	US-09-875-223-2
10	174.8	7.8	17327	1	US-07-906-871-15
11	170.6	7.6	35060	3	US-08-814-095-7
12	169.8	7.6	72928	3	US-09-009-913-1
13	168.4	7.5	3867	4	US-09-347-114A-81
14	168.2	7.5	36741	4	US-09-301-665-3
15	168.2	7.5	87350	3	US-08-781-891-79
16	168.2	7.5	87543	4	US-09-791-211-3
17	167	7.4	2923	4	US-08-480-449-1
18	167	7.4	2923	2	US-08-660-542-1
19	167	7.4	2923	4	US-08-479-603-1
20	167	7.4	2927	4	US-09-232-878-5
21	166.8	7.4	32042	4	US-09-245-281-44
22	166.6	7.4	282	1	US-08-133-629-8
23	166.6	7.4	9704	4	US-09-814-951A-3
24	165.4	7.4	112132	4	US-09-741-150-3
25	164.8	7.3	36741	4	US-09-301-665-3
26	164.2	7.3	36651	4	US-09-738-894A-3
27	163.8	7.3	8353	3	US-08-611-587-1

C 28	163.8	7.3	43950	4	US-09-735-934A-3	Sequence 3, Appl
C 29	163.6	7.3	99500	4	US-09-798-096-10	Sequence 10, Appl
C 30	163.6	7.3	246240	2	US-08-724-394A-20	Sequence 20, Appl
C 31	163.6	7.3	246240	2	US-08-724-394A-21	Sequence 21, Appl
C 32	163.6	7.3	246240	2	US-08-724-394A-22	Sequence 22, Appl
C 33	163.2	7.3	4853	4	US-08-881-450A-22	Sequence 22, Appl
C 34	162.8	7.3	3166	4	US-09-341-587-8	Sequence 8, Appl
C 35	162.2	7.2	508	3	US-09-058-389A-21	Sequence 21, Appl
C 36	162.2	7.2	508	4	US-09-611-781-21	Sequence 21, Appl
C 37	162.2	7.2	2396	3	US-09-058-389A-10	Sequence 10, Appl
C 38	162.2	7.2	2396	4	US-09-611-781-10	Sequence 10, Appl
C 39	162	7.2	3627	4	US-09-323-873A-6	Sequence 6, Appl
C 40	161.8	7.2	162450	4	US-09-345-882-1	Sequence 1, Appl
C 41	161.8	7.2	246240	2	US-08-724-394A-20	Sequence 20, Appl
C 42	161.8	7.2	246240	2	US-08-724-394A-21	Sequence 21, Appl
C 43	161.8	7.2	246240	2	US-08-724-394A-22	Sequence 22, Appl
C 44	161.4	7.2	6769	1	US-08-480-784-20	Sequence 20, Appl
C 45	161.4	7.2	6769	1	US-08-483-553-20	Sequence 20, Appl

ALIGNMENTS

RESULT 1

US-09-069-023-33
; Sequence 33, Application US/09069023A
; Patent No. 6348573

GENERAL INFORMATION:

; APPLICANT: Nunez, Gabriel
; APPLICANT: Inohara, Naohiro
; APPLICANT: Koseki, Takeyoshi
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR IDENTIFYING APOPTOSIS
; TITLE OF INVENTION: SIGNALING PATHWAY INHIBITORS AND ACTIVATORS
; FILE REFERENCE: UM-03333
; CURRENT APPLICATION NUMBER: US/09/069,023A
; CURRENT FILING DATE: 1998-04-27
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 33
; LENGTH: 2040
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-069-023-33

Query Match	88.8%	Score	1991;	DB	4;	Length	2040;
Best Local Similarity	99.0%	Pred. No.	0;				
Matches	2003;	Conservative	0;	Mismatches	20;	Indels	0;
Gaps	0;						
QY	47	AGCGAGCTTGCAGCCTCACCGAGCTCTCACTAAAGGAGCTCCCGAGCTAGGGTG	106				
DB	1	AGCGAGCTTGCAGCCTCACCGAGCTCTCACTAAAGGAGCTCCCGAGCTAGGGTG	60				
QY	107	GGGACTCGGCCTCACACAGTGTAGTGCCTATTTGGACTTTTTCAGTGTACAGTGTAGA	166				
DB	61	GGGACTCGGCCTCACACAGTGTAGTGCCTATTTGGACTTTTTCAGTGTACAGTGTAGA	120				
QY	167	CAACAGGACCCGAGGAGGTGTAGGAGAGCCGCGGAGAGCGATCCCGGAGCA	226				
DB	121	CAACAGGACCCGAGGAGGTGTAGGAGAGCCGCGGAGAGCGATCCCGGAGCA	180				
QY	227	CCAAGTCCGCTTCCAGCCTTTCGGTTTTCCTTCATCTTGGTGGCGCTTTCGGCGG	286				
DB	181	CCAAGTCCGCTTCCAGCCTTTCGGTTTTCCTTCATCTTGGTGGCGCTTTCGGCGG	240				
QY	287	TTAGGGAGCGAAGCTGAGGTGGCAGCGGAGGAGAGTCCCGCGCGAGAGCAAC	346				
DB	241	TTAGGGAGCGAAGCTGAGGTGGCAGCGGAGGAGAGTCCCGCGCGAGAGCAAC	300				
QY	347	TCCCCACCTGGAAGGATTTCTGAAAGAAATGAAGTCAGCCCTCAGAAATGAAGTTGACTG	406				
DB	301	TCCCCACCTGGAAGGATTTCTGAAAGAAATGAAGTCAGCCCTCAGAAATGAAGTTGACTG	360				
QY	407	CTGTGGCTTTCCTCTTACTGGCCGCGGAGCTGTACTGCAAGACCTTGTGAGCTTCCC	466				

: LENGTH: 2045 base pairs									
: TYPE: nucleic acid									
: STRANDEDNESS: double									
: TOPOLOGY: linear									
: MOLECULE TYPE: cdna									
US-08-795-088A-1									
Query Match									
Best Local Similarity 99.8%; Score 1952.2; DB 4; Length 2045;									
Matches 1965; Conservative 0; Mismatches 3; Indels 1; Gaps 1;									
Qy	48	GCAGCTGCGAGCTCACACAGTGCAGCTCAACCTAAAGAGGACCTCCCGGAGCTAGGGGTGG	107						
Db	78	GAGAGCTTGAGGCTCACCAGCAGTCTCAACTAAAGGAGACTCCCGGAGCTAGGGGTGG	137						
Qy	108	GGACTCGGCTTCACACAGTGCAGTGCAGCTATTTGGACTTTTGTCCAGTGCAGCTGAGAC	167						
Db	138	GGACTCGGCTTCACACAGTGCAGTGCAGCTATTTGGACTTTTGTCCAGTGCAGCTGAGAC	197						
Qy	168	AACAGAGACACGGAGGAGGTGTAGGAGAGAACGCCGCGAACAGGATCGGCCAGCAC	227						
Db	198	AACAGAGACACGGAGGAGGTGTAGGAGAGAACGCCGCGAACAGGATCGGCCAGCAC	257						
Qy	228	CAAGTCCGCTTCACAGGCTTTTCGGTTTCTTTGGCTTCCATCTTGGGTGCGCTTCCCGCGT	287						
Db	258	CAAGTCCGCTTCACAGGCTTTTCGGTTTCTTTGGCTTCCATCTTGGGTGCGCTTCCCGCGT	317						
Qy	288	CTAGGGAGGAGGAGGCTTGAGGTGCGAGCGCAGGAGAGTCCGGCGCGACAGGACGAAC	347						
Db	318	CTAGGGAGGAGGAGGCTTGAGGTGCGAGCGCAGGAGAGTCCGGCGCGACAGGACGAAC	377						
Qy	348	CCCCCTGGAAGAGATTCGAAAGAAATGAAGTCAGCCCTCAGAAATGAAGTTGACTGC	407						
Db	378	CCCCCTGGAAGAGATTCGAAAGAAATGAAGTCAGCCCTCAGAAATGAAGTTGACTGC	437						
Qy	408	CTGCTGCTTCTCTGTTGACTGCGCGGAGCTGTACTGCAAGACCCTTGTGAGCTTCCCT	467						
Db	438	CTGCTGCTTCTCTGTTGACTGCGCGGAGCTGTACTGCAAGACCCTTGTGAGCTTCCCT	496						
Qy	468	AGTCTAAGAGTAGGATGCTGCTGAAGTCATCCATCAGTTGAAGAGCACTTTGATACAG	527						
Db	497	AGTCTAAGAGTAGGATGCTGCTGAAGTCATCCATCAGTTGAAGAGCACTTTGATACAG	556						
Qy	528	ATGAGAGGAGAGTCTCTCTTTTGTGCGGGATGTTGCTATAGATGTGGTTCACACTA	587						
Db	557	ATGAGAGGAGAGTCTCTCTTTTGTGCGGGATGTTGCTATAGATGTGGTTCACACTA	616						
Qy	588	ATGTCAGGGACCTTCTCGATATTTTACGGGAAAGAGTAAGCTGTCTGCGGGAGCTTG	647						
Db	617	ATGTCAGGGACCTTCTCGATATTTTACGGGAAAGAGTAAGCTGTCTGCGGGAGCTTG	676						
Qy	648	CTGAACCTGCTCTACAGAGTGAAGGCGATTTGACCTGCTCAACACGTATCTTGAAGTGA	707						
Db	677	CTGAACCTGCTCTACAGAGTGAAGGCGATTTGACCTGCTCAACACGTATCTTGAAGTGA	736						
Qy	708	GAAGAGCTGTGGAGACCCACTGCTCAGGAACCTCACCCTTGTGGAGCTATAGAGTGC	767						
Db	737	GAAGAGCTGTGGAGACCCACTGCTCAGGAACCTCACCCTTGTGGAGCTATAGAGTGC	796						
Qy	768	TGATGGCAGAGATTTGGATTTTGCATTAATCTGATGTCTCTCATTAATTTTCTCTCA	827						
Db	797	TGATGGCAGAGATTTGGATTTTGCATTAATCTGATGTCTCTCATTAATTTTCTCTCA	856						
Qy	828	TGAAGGATTAACATGGGCGGAGGCAAGATAAGCAAGGAGAGAGTTTCTTGGACCTTGTGG	887						
Db	857	TGAAGGATTAACATGGGCGGAGGCAAGATAAGCAAGGAGAGAGTTTCTTGGACCTTGTGG	916						
Qy	888	TTGAGTTGGAGAAACTAAATTTGGTTGCCCGCAGATCAACTGGATTATTAAGAAAATGCC	947						
Db	917	TTGAGTTGGAGAAACTAAATTTGGTTGCCCGCAGATCAACTGGATTATTAAGAAAATGCC	976						
Qy	948	TAAAGAACATCCACAGATAGACCTTGAAGACAAAATCCAGAGTACAGCAGTCTGTTC	1007						

; Sequence 1, Application US/08859167
; Patent No. 6037461
; GENERAL INFORMATION:
; APPLICANT: Alnemri, Emdad S.
; APPLICANT: Fernandez-Alnemri, Teresa
; TITLE OF INVENTION: FADD-LIKE ANTI-APOPTOTIC MOLECULES, METHODS OF
; TITLE OF INVENTION: USING THE SAME, AND COMPOSITIONS FOR AND METHODS
; TITLE OF INVENTION: OF MAKING THE SAME
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Woodcock, Washburn, Kurtz, Mackiewicz & No. 6037461
; STREET: One Liberty Place, 46th floor
; CITY: Philadelphia
; STATE: PA
; COUNTRY: USA
; ZIP: 19103
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: WINDOWS
; SOFTWARE: WordPerfect
; CURRENT APPLICATION DATA:
; FILING DATE: US/08/859,167
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Deluca, Mark
; REGISTRATION NUMBER: 33,229
; REFERENCE/DOCKET NUMBER: TJU-
; TELEPHONE: (215) 568-3100
; TELEFAX: (215) 568-3439
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1750 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: both
; MOLECULE TYPE: CDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 413..1750
US-08-859-167-1

Query Match 72.28; Score 1619.2; DB 3; Length 1750;
Best Local Similarity 94.18; Pred. No. 0;
Matches 174; Conservative 0; Mismatches 3; Indels 106; Gaps 2;
Qy 69 CGAGTCTCAACTAAAGGACTCCGGAGCTAGGGGTGGGGCTCGGCTCACACAGTGA 128
Db 1 CGAGTCTCAACTAAAGGACTCCGGAGCTAGGGGTGGGGCTCGGCTCACACAGTGA 60
Qy 129 GTGGCGGCTATTGACTTTTCTCAGTGACAGCTTGAGACACAGAGGACCGAGGAGG 188
Db 61 GTGGCGGCTATTGACTTTTCTCAGTGACAGCTTGAGACACAGAGGACCGAGGAGG 120
Qy 189 TGTAGGAGAGAGCGCGCGAAGAGGATCCCGAGGACCAAGTCCCGCTCCAGGCTTC 248
Db 121 TGTAGGAGAGAGCGCGCGAAGAGGATCCCGAGGACCAAGTCCCGCTCCAGGCTTC 180
Qy 249 GTTTCCTTGGCTCCATCTTGGGTGCGGCTTCCCGGCTCTAGGGAGCGAGGCTGAGG 308
Db 181 GTTTCCTTGGCTCCATCTTGGGTGCGGCTTCCCGGCTCTAGGGAGCGAGGCTGAGG 240
Qy 309 TGGAGCGGCGAGGAGGCTCGGCGCGGAGGACGAGGACCTCCCGCTGGAAGGATCTG 368
Db 241 TGGAGCGGCGAGGAGGCTCGGCGCGGAGGACGAGGACCTCCCGCTGGAAGGATCTG 300
Qy 369 AAAGAAATGAAGTCAAGCTTCAAGAAATGAAGTCAAGCTTCAAGCTTCAAGCTTCA 428
Db 301 AAAGAAATGAAGTCAAGCTTCAAGAAATGAAGTCAAGCTTCAAGCTTCAAGCTT 359
Qy 429 GGCCCGGAGCTGTACTGCAAGACCTTGTGAGCTTCCCTAGCTCTAAGAGTAGGATGCTG 488

Db 360 GGCCCGGAGCTGTACTGCAAGACCTTGTGAGCTTCCCTAGCTCTAAGAGTAGGATGCTG 419
Qy 489 CTGAAGTCAATCCATCAGGTTGAAGACACTTGTATACAGATGAGAAGAGATGCTGCTCT 548
Db 420 CTGAAGTCAATCCATCAGGTTGAAGACACTTGTATACAGATGAGAAGAGATGCTGCTCT 479
Qy 549 TTTTGTGCGGGATGTTGCTATAGATGTTGTTCCACCTAATGTCCAGGACCTTCTGGATA 608
Db 480 TTTTGTGCGGGATGTTGCTATAGATGTTGTTCCACCTAATGTCCAGGACCTTCTGGATA 539
Qy 609 TTTTACGGGAAGAGGTAAGTGTCTCGGGGACTTGGCTGAGACTCTCTACAGAGTGA 668
Db 540 TTTTACGGGAAGAGGTAAGTGTCTCGGGGACTTGGCTGAGACTCTCTACAGAGTGA 599
Qy 669 GGCATTTGACCTGCTCAAAAGCTATCTTGAAGATGGACAGAAAAGCTGTGGAGACCCACC 728
Db 600 GGCATTTGACCTGCTCAAAAGCTATCTTGAAGATGGACAGAAAAGCTGTGGAGACCCACC 659
Qy 729 TGCTCAGGAACCTCACCCTTGTTCGGACATATAGAGTGTGATGGCAGAGATTTGGTGGG 788
Db 660 TGCTCAGGAACCTCACCCTTGTTCGGACATATAGAGTGTGATGGCAGAGATTTGGTGGG 719
Qy 789 ATTTGGATAAATCTGATGTCTCTCATTAATTTTCCCTCATGAAGGATTTACATGGCCGAG 848
Db 720 ATTTGGATAAATCTGATGTCTCTCATTAATTTTCCCTCATGAAGGATTTACATGGCCGAG 779
Qy 849 GCAAGATAAGCAAGGAGAGGATTTCTTGGACCTTGTGGTGTGAGTTGGAGAAACTAAATT 908
Db 780 GCAAGATAAGCAAGGAGAGGATTTCTTGGACCTTGTGGTGTGAGTTGGAGAAACTAAATC 839
Qy 909 TGGTTCGCCAGATCAACTGATTTATAGAAAATCCCTTAAAGAAATCCACAGATAG 968
Db 840 TGGTTCGCCAGATCAACTGATTTATAGAAAATCCCTTAAAGAAATCCACAGATAG 899
Qy 969 ACCTGAAGACAAAATCCAGAAAGTACAGCAGTCTGTTCAAGGAGGAGGACAAAGTTACA 1028
Db 900 ACCTGAAGACAAAATCCAGAAAGTACAGCAGTCTGTTCAAGGAGGAGGACAAAGTTACA 959
Qy 1029 GGAATGTTCCAAAGCAGCAATCCAAAGAGTCTCAAGGATCTTCAAAATCACTTCAGGC 1088
Db 960 GGAATGTTCCAAAGCAGCAATCCAAAGAGTCTCAAGGATCTTCAAAATCACTTCAGGC -- 1017
Qy 1089 TCCATAATGGGAGAGTAAAGAACAAAGACTTAAAGGAAACAGCTTGGCGCTCAACAAAGAC 1148
Db 1018 ----- 1017
Qy 1149 CAGTGAAGAAATCCATTCAGGAATCAGAAAGCTTTTTCCTCAGAGCATACCTGAAGAGA 1208
Db 1018 -----GAGCATACCTGAAGAGA 1034
Qy 1209 GATACAGATGACAGCAAGCCCTTAGGAATCTGCCTGATATATCGATTTGATGGCAATG 1268
Db 1035 GATACAGATGACAGCAAGCCCTTAGGAATCTGCCTGATATATCGATTTGATGGCAATG 1094
Qy 1269 AGACAGAGCTTCTTCGAGACACCTTCACTTCCCTGGCTATGAAGTCCAGAAATCTTCG 1328
Db 1095 AGACAGAGCTTCTTCGAGACACCTTCACTTCCCTGGCTATGAAGTCCAGAAATCTTCG 1154
Qy 1329 ATCTCAGTATGATGATATATCCAGATTTCTGGCCAAATTTGGCTGTATATCCCGAGCACC 1388
Db 1155 ATCTCAGTATGATGATATATCCAGATTTCTGGCCAAATTTGGCTGTATATCCCGAGCACC 1214
Qy 1389 GAGACTACGACAGCTTGTGTGTCTGCTGAGCCGAGGAGGCTCCAGAGTGTGTATG 1448
Db 1215 GAGACTACGACAGCTTGTGTGTCTGCTGAGCCGAGGAGGCTCCAGAGTGTGTATG 1274
Qy 1449 GTGGGATCAGACTCACTCAGGCTCCCGCTGATCATCATCAGAGAGATGTTTATGGAG 1508
Db 1275 GTGGGATCAGACTCACTCAGGCTCCCGCTGATCATCATCAGAGAGATGTTTATGGAG 1334
Qy 1509 ATTATCCCTTATCTAGCAGGAGGAAAGCTTATTTTATTTTATTTTATTTTATTTTATTTT 1568

Db 1335 ATTATGCCCTTACTAGCAGGAGCAAGATGTTTTTATTCAGAACTATGTGGTCT 1394
QY 1569 CAGAGGGCAGCTGGAGAACAGACAGCCTCTTGGAGGTGGATGGCCAGCGATGAAGAATG 1628
Db 1395 CAGAGGGCAGCTGGAGGAGCAGCAGCCTCTTGGAGGTGGATGGCCAGCGATGAAGAATG 1454
QY 1629 TGGAAATCAAGCTCAGAGCGAGGGCTGTGCACAGTTTCAACGAGAGAGTGTCTTCT 1688
Db 1455 TGGAAATCAAGGCTCAGAGCGAGGGCTGTGCACAGTTTCAACGAGAGAGTGTCTTCT 1514
QY 1689 GGAGCCTGTGTACTGCGGACATGTCCCTGTCTGGAGCAGTCTCACAGCTCACCGTCCCTGT 1748
Db 1515 GGAGCCTGTGTACTGCGGACATGTCCCTGTCTGGAGCAGTCTCACAGCTCACCGTCCCTGT 1574
QY 1749 ACTGCAGTGCCTCTCCAGAACTGAGACAAAGAAAGAAAGCCCACTCTCTGGATCTTC 1808
Db 1575 ACTGCAGTGCCTCTCCAGAACTGAGACAAAGAAAGAAAGCCCACTCTCTGGATCTTC 1634
QY 1809 ACATTCAACTCAATGGCTACATGTATGATTGGAACAGCAGAGTTTCTGCCAAGGAGAAAT 1868
Db 1635 ACATTCAACTCAATGGCTACATGTATGATTGGAACAGCAGAGTTTCTGCCAAGGAGAAAT 1694
QY 1869 ATTATCTCTGGCTGAGCAGCAGTCTGAGAAAGAAAGTATCTCTCTACACATAA 1924
Db 1695 ATTATCTCTGGCTGAGCAGCAGTCTGAGAAAGAAAGTATCTCTCTACACATAA 1750

RESULT 4
US-09-109-273-1
Sequence 1, Application US/09109273
Patent No. 6063760
GENERAL INFORMATION:
APPLICANT: Alnemri, Emad S.
APPLICANT: Fernandez-Alnemri, Teresa
TITLE OF INVENTION: FADD-LIKE ANTI-APOPTOTIC MOLECULES, METHODS OF
-TITLE OF INVENTION: USING THE SAME, AND COMPOSITIONS FOR AND METHODS
TITLE OF INVENTION: OF MAKING THE SAME
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: Woodcock, Washburn, Kurtz, Mackiewicz & No. 6063760ris
STREET: One Liberty Place, 46th floor
CITY: Philadelphia
STATE: PA
COUNTRY: USA
ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: WINDOWS
SOFTWARE: WordPerfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/109,273
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/859,167
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Deluca, Mark
REGISTRATION NUMBER: 33,229
REFERENCE/DOCKET NUMBER: TJU-
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 568-3100
TELEFAX: (215) 568-3439
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1750 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: both
MOLECULE TYPE: cdna
FEATURE:
NAME/KEY: CDS

; LOCATION: 413...1750
US-09-109-273-1
Query Match 72.2%; Score 1619.2; DB 3; Length 1750;
Best Local Similarity 94.1%; Pred. No. 0;
Matches 1747; Conservative 0; Mismatches 3; Indels 106; Gaps 2;
QY 69 CGAGTCTCAACTAAAGAGGACTCCCGAGCTAGGGGTGGGACTCGGCTCTACACAGTGA 128
Db 1 CGAGTCTCAACTAAAGAGGACTCCCGAGCTAGGGGTGGGACTCGGCTCTACACAGTGA 60
QY 129 GTGCCGGCTATTGGGACTTTTGTCCAGTGCACAGTCCAGACAAAGAGCACCAGGAGG 188
Db 61 GTGCCGGCTATTGGGACTTTTGTCCAGTGCACAGTCCAGACAAAGAGCACCAGGAGG 120
QY 189 TGTAGGAGAGAGAGCCCGCAACAGCGATCGCCAGCAGCAGTCCGCTTCCAGGCTTTC 248
Db 121 TGTAGGAGAGAGAGCCCGCAACAGCGATCGCCAGCAGCAGTCCGCTTCCAGGCTTTC 180
QY 249 GGTTCCTTTGCCCTCCATCTTTGGGTGGGCTTCCCGCGCTCTAGGGAGGAGGCTGAGG 308
Db 181 GGTTCCTTTGCCCTCCATCTTTGGGTGGGCTTCCCGCGCTCTAGGGAGGAGGCTGAGG 240
QY 309 TGGCAGCGCAGGAGTCCCGCGCGGAGCAGCAGCAACTCCCCACTGGAAGGATCTCTG 368
Db 241 TGGCAGCGCAGGAGTCCCGCGCGGAGCAGCAGCAACTCCCCACTGGAAGGATCTCTG 300
QY 369 AAAGAAATGAAGTCAAGCCTCAGAAATGAAGTTGACTGCTGCTGCTGCTGCTGCTGACT 428
Db 301 AAAGAAATGAAGTCAAGCCTCAGAAATGAAGTTGACTGCTGCTGCTGCTGCTGACT 359
QY 429 GCGCCGGAGCTCTACTGCAAGACCCTTGTGAGCTTCCCTAGTCTTAAGAGTAGAGTGTCTG 488
Db 360 GCGCCGGAGCTCTACTGCAAGACCCTTGTGAGCTTCCCTAGTCTTAAGAGTAGAGTGTCTG 419
QY 489 CTGAAGTCTATCATCAGTTTGAAGAGCAGTGTATACAGATCAGAGAGAGAGTCTGCTCT 548
Db 420 CTGAAGTCTATCATCAGTTTGAAGAGCAGTGTATACAGATCAGAGAGAGAGTCTGCTCT 479
QY 549 TTTTGTGCGGGAGTGTGCTATAGATGTGGTTTCCACCTTAATGTCAGGGACCTTCTGGATA 608
Db 480 TTTTGTGCGGGAGTGTGCTATAGATGTGGTTTCCACCTTAATGTCAGGGACCTTCTGGATA 539
QY 609 TTTTACGGGAAAGAGGTAAAGCTGTCTGTCGGGGACTTGGCTGAAGTCTCTACAGAGTGA 668
Db 540 TTTTACGGGAAAGAGGTAAAGCTGTCTGTCGGGGACTTGGCTGAAGTCTCTACAGAGTGA 599
QY 669 GCGGATTTGACCTGCTCAAAACGATCTTGAAGATGACAGAGAAAGCTGTGGAGACCCACC 728
Db 600 GCGGATTTGACCTGCTCAAAACGATCTTGAAGATGACAGAGAAAGCTGTGGAGACCCACC 659
QY 729 TGCTCAGGAACCTCACCTTGTTCGGACTATAGAGTGTGATGGCAGAGATTGGTGAGG 788
Db 660 TGCTCAGGAACCTCACCTTGTTCGGACTATAGAGTGTGATGGCAGAGATTGGTGAGG 719
QY 789 ATTTGGATAAATCTGATGTGCTCCTCATTAATTTTCTCATGAAGGATTACATGGGCCGAG 848
Db 720 ATTTGGATAAATCTGATGTGCTCCTCATTAATTTTCTCATGAAGGATTACATGGGCCGAG 779
QY 849 GCAAGATAAGCAGAGAGAGAGTGTTCCTGGACCTTGTGGTTGAGTTGGAGAACTAAAT 908
Db 780 GCAAGATAAGCAGAGAGAGAGTGTTCCTGGACCTTGTGGTTGAGTTGGAGAACTAAAT 839
QY 909 TGGTTGCCCCAGATCAACTGGATTTTATTAGAAAAATGCTTAAGAAACATCCACAGATAG 968
Db 840 TGGTTGCCCCAGATCAACTGGATTTTATTAGAAAAATGCTTAAGAAACATCCACAGATAG 899
QY 969 ACCTGAAGACAAAAATCCAGAGTACAGAGTCTGTTCAAGGACAGGAGCAAGTTTACA 1028
Db 900 ACCTGAAGACAAAAATCCAGAGTACAGAGTCTGTTTCAAGGACAGGAGCAAGTTTACA 959
QY 1029 GGAATGTTCTCCCAAGCAGCAATCCAAAAAGAGTCTCAAGAGTCTTCAATTAATCTCAGC 1088

Db 960 GGAATGTTCTCCAGCAGCAATCCAAAGAGTCTCAAGGATCCTTCAATAACTTTCAG-- 1017
QY 1089 TCCATAATGGGAGAGTAAGAACAAGACTTAAGAACAGCTTGGCGCTCAACAGAAC 1148
Db 1018 ----- 1017
QY 1149 CAGTGAAGAAATCCATTCAGGAATCAGAAAGCTTTTGGCTCAGAGCATACCTGAAGAGA 1208
Db 1018 -----GACATACCTGAAGAGA 1034
QY 1209 GATACAGATGAAGAGCAAGCCCTAGGAATCTGCTGTGATATCGATTCGATTGGCAATG 1268
Db 1035 GATACAGATGAAGAGCAAGCCCTAGGAATCTGCTGTGATATCGATTCGATTGGCAATG 1094
QY 1269 AGACAGAGCTTCTTCAGACACCTTCACATTCCTCGGCTATGAGTCCAGAAATCTTCG 1328
Db 1095 AGACAGAGCTTCTTCAGACACCTTCACATTCCTCGGCTATGAGTCCAGAAATCTTCG 1154
QY 1329 ATCTCAGTATGATGATATATCCAGATTCCTGGCCAAATTTGGCTGTATGCCCGAGCAC 1388
Db 1155 ATCTCAGTATGATGATATATCCAGATTCCTGGCCAAATTTGGCTGTATGCCCGAGCAC 1214
QY 1389 GAGACTACGACAGCTTGTGTGCTGCTGAGCCGAGAGGCTCCAGAGTGTGTATG 1448
Db 1215 GAGACTACGACAGCTTGTGTGCTGCTGAGCCGAGAGGCTCCAGAGTGTGTATG 1274
QY 1449 GTCTGATCAGACTCACTCAGGCTCCCTGCTCATCATCAGGAGGATGTTTCATGGGAG 1508
Db 1275 GTGTGATCAGACTCACTCAGGCTCCCTGCTCATCATCAGGAGGATGTTTCATGGGAG 1334
QY 1509 ATTATGCTCCCTTATCTAGCAGGGAAGCCAAAGATGTTTTTATTCAGAACTATGTGTGT 1568
Db 1335 ATTATGCTCCCTTATCTAGCAGGGAAGCCAAAGATGTTTTTATTCAGAACTATGTGTGT 1394
QY 1569 CAGAGGGCCAGCTGGAGACAGCAGAGCTCTTGGAGTGGATGGCCGAGCATGAAGAAATG 1628
Db 1395 CAGAGGGCCAGCTGGAGACAGCAGAGCTCTTGGAGTGGATGGCCGAGCATGAAGAAATG 1454
QY 1629 TGAATTCAGGCTCAGAGCAGGAGGCTGACACAGTTCACCGAGAGCTGACTTCTTCT 1688
Db 1455 TGAATTCAGGCTCAGAGCAGGAGGCTGACACAGTTCACCGAGAGCTGACTTCTTCT 1514
QY 1689 GGAGCTGTGTACTGGGAGATGCTCCCTGCTGGAGCAGTCTCACAGCTCACCGTCCCTGT 1748
Db 1515 GGAGCTGTGTACTGGGAGATGCTCCCTGCTGGAGCAGTCTCACAGCTCACCGTCCCTGT 1574
QY 1749 ACCTGAGTCCCTCTCCGAAACTGAGACAGAAAGAAACGCCCACTCCTGGATCTTC 1808
Db 1575 ACCTGAGTCCCTCTCCGAAACTGAGACAGAAAGAAACGCCCACTCCTGGATCTTC 1634
QY 1809 ACATTGAACCTCAATGGCTACATGATGATTGGAACAGCAGATTTCTGCCAAGGAGAAAT 1868
Db 1635 ACATTGAACCTCAATGGCTACATGATGATTGGAACAGCAGATTTCTGCCAAGGAGAAAT 1694
QY 1869 ATTATGTCTGGCTGCAGCAGCTCTGAGAAAGAAATTAFTCTCTCCTACACATAA 1924
Db 1695 ATTATGTCTGGCTGCAGCAGCTCTGAGAAAGAAATTAFTCTCTCCTACACATAA 1750

RESULT 5

us-09-276-993-1
; Sequence 1, Application us/09276993
; Patent No. 6207801
; GENERAL INFORMATION:
; APPLICANT: Alnemri, Emad S.
; APPLICANT: Fernandez-Alnemri, Teresa
; TITLE OF INVENTION: FADD-LIKE ANTI-APOPTOTIC MOLECULES, METHODS OF
; TITLE OF INVENTION: USING THE SAME, AND COMPOSITIONS FOR AND METHODS
; TITLE OF INVENTION: OF MAKING THE SAME
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Woodcock, Washburn, Kurtz, Mackiewicz & No. 6207801Iris
; STREET: One Liberty Place, 46th floor

; CITY: Philadelphia
; STATE: PA
; COUNTRY: USA
; ZIP: 19103
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: WINDOWS
; SOFTWARE: Wordperfect
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/276,993
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/859,167
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Deluca, Mark
; REGISTRATION NUMBER: 33,229
; REFERENCE/DOCKET NUMBER: TJU-
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (215) 568-3100
; TELEFAX: (215) 568-3439
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1750 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: both
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 413..1750
; US-09-276-993-1

Query Match 72.2%; Score 1619.2; DB 4; Length 1750;
Best Local Similarity 94.1%; Pred. No. 0;
Matches 1747; Conservative 0; Mismatches 3; Indels 106; Gaps 2;

QY 69 CGAGTCTCAACTAAAGGAGCTCCCGAGCTAGGGGTGGGACTCGGCTTCACACAGTGA 128
Db 1 CGAGTCTCAACTAAAGGAGCTCCCGAGCTAGGGGTGGGACTCGGCTTCACACAGTGA 60
QY 129 GTGCCGGCTATTGGACTTTTGTCCAGTGACAGCTGACACAAAGACACCGGAGGAG 188
Db 61 GTGCCGGCTATTGGACTTTTGTCCAGTGACAGCTGACACAAAGACACCGGAGGAG 120
QY 189 TGTAGAGAGAGAGCGCGCGGAGCAGGATGCGCCAGCAGCAAGTCCGCTTCAGAGCTTTC 248
Db 121 TGTAGAGAGAGAGCGCGCGGAGCAGGATGCGCCAGCAGCAAGTCCGCTTCAGAGCTTTC 180
QY 249 GGTTCCTTTGGCTCCCATCTTGGTGGCGCTTCCCGGCTTAGGGGAGCGAAGGCTGAG 308
Db 181 GGTTCCTTTGGCTCCCATCTTGGTGGCGCTTCCCGGCTTAGGGGAGCGAAGGCTGAG 240
QY 309 TGCAGCGCAGGAGAGTCCGGCGCGCAGCAGGAGCAACTCCCCCACTGGAAGGATCTG 368
Db 241 TGCAGCGCAGGAGAGTCCGGCGCGCAGCAGGAGCAACTCCCCCACTGGAAGGATCTG 300
QY 369 AAAGAAATGAATGACAGCTCCAGAAATGAATGAGTTGACTGCTGCTGCTTCTGTTGACT 428
Db 301 AAAGAAATGAATGACAGCTCCAGAAATGAATGAGTTGACTGCTGCTGCTTCTGTTGACT 359
QY 429 GGCCCGGAGCTGACTGCAAGACCTTGTGAGCTTCCCTAGTCTAAGAGTAGGATGCTG 488
Db 360 GGCCCGGAGCTGACTGCAAGACCTTGTGAGCTTCCCTAGTCTAAGAGTAGGATGCTG 419
QY 489 CTGAAGTCAATCAATCAGGTTGAAGAGCACTTGTATACAGATGAGAAGAGATGCTGCT 548
Db 420 CTGAAGTCAATCAATCAGGTTGAAGAGCACTTGTATACAGATGAGAAGAGATGCTGCT 479
QY 549 TTTTGTGCGGAGATGTTGCTATAGATGTGTGCTTCCCACTAATGTACAGGAGCTTCTGATA 608
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Db 480 TTTTGCCGGGATGTTGCTATAGATGTGGTTCCACCTAATGTCAGGACCTTCTTGATA 539
QY 609 TTTTACGGGAAGAGTAAGCTGTCTCGGGGACTTGGCTGAACCTCTCTACAGAGTGA 668
Db 540 TTTTACGGGAAGAGTAAGCTGTCTCGGGGACTTGGCTGAACCTCTCTACAGAGTGA 599
QY 569 GCGGATTGACCTGCTCAACAGTATCTTGAAGATGGACAGAAAGCTGTGGAGCCACC 728
Db 600 GCGGATTGACCTGCTCAACAGTATCTTGAAGATGGACAGAAAGCTGTGGAGCCACC 659
QY 729 TGCTCAGAAACCTTCACCTTGTTCGGGACTATAGAGTGTGGGACAGAGATTGGTGAGG 788
Db 660 TGCTCAGAAACCTTCACCTTGTTCGGGACTATAGAGTGTGGGACAGAGATTGGTGAGG 719
QY 789 ATTTGGATAATCTGATGTCTCTCAATTAATTTTCCATGAAGGATTACATGGCCGAG 848
Db 720 ATTTGGATAATCTGATGTCTCTCAATTAATTTTCCATGAAGGATTACATGGCCGAG 779
QY 849 GCAAGATAAGCAAGGAGAAAGCTTCTTGAGACCTTGTGGTTGAGTTGGAGAAATAATT 908
Db 780 GCAAGATAAGCAAGGAGAAAGCTTCTTGAGACCTTGTGGTTGAGTTGGAGAAATAATT 839
QY 909 TGGTTGCCCGAGATCAACTGGATTATTAGAAAAATGCCCTAAAGAACATCCACAGATAG 968
Db 840 TGGTTGCCCGAGATCAACTGGATTATTAGAAAAATGCCCTAAAGAACATCCACAGATAG 899
QY 969 ACCTGAAGACAAAATCCAGAAGTACAGAGCTCTCTTCAAGGAGGAGGACAAAGTTACA 1028
Db 900 ACCTGAAGACAAAATCCAGAAGTACAGAGCTCTCTTCAAGGAGGAGGACAAAGTTACA 959
QY 1029 GGAATGTTCCAGGAGCAATCCAAAGAGTCTCAAGGATCTTCAATTAACCTCAGGC 1088
Db 960 GGAATGTTCCAGGAGCAATCCAAAGAGTCTCAAGGATCTTCAATTAACCTCAGGC 1017
QY 1089 TCCATATGGGAGAGTAAAGAACAAAGACTTAAAGAACAGCTTGGCGCTCAACAAGAAC 1148
Db 1018 ----- 1017
QY 1149 CAGTGAAGAAATCCATTACAGGAATCAGAACTTTTGGCCCTCAGAGCATACCTGAGAGA 1208
Db 1018 -----GAGCATACCTGAGAGA 1034
QY 1209 GATACAGATGAAGAGCAAGCCCTAGGAATCTGCCTGATAATCGATTGCTGGAATG 1268
Db 1035 GATACAGATGAAGAGCAAGCCCTAGGAATCTGCCTGATAATCGATTGCTGGAATG 1094
QY 1269 AGACAGAGCTTCTTCGAGACACCTTCACTTCCCTGGGCTATGAAGTCCAGAAATTTCTGC 1328
Db 1095 AGACAGAGCTTCTTCGAGACACCTTCACTTCCCTGGGCTATGAAGTCCAGAAATTTCTGC 1154
QY 1329 ATCTCAGTATGATGATATCCAGATTTCTTGGCCAAATTTGGCTGTATGCCGAGCACC 1388
Db 1155 ATCTCAGTATGATGATATCCAGATTTCTTGGCCAAATTTGGCTGTATGCCGAGCACC 1214
QY 1389 GAGACTACGACAGCTTGTGTGCTCTGCTGAGCCGAGGAGCTCCACAGTGTGATG 1448
Db 1215 GAGACTACGACAGCTTGTGTGCTCTGCTGAGCCGAGGAGCTCCACAGTGTGATG 1274
QY 1449 GTGTGATCAGACTCACTCAGGCTCCCTCGCATCACATCAGGAGGATGTTTATGGAG 1508
Db 1275 GTGTGATCAGACTCACTCAGGCTCCCTCGCATCACATCAGGAGGATGTTTATGGAG 1334
QY 1509 ATTATGCCCCCTTATCTAGCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1568
Db 1335 ATTATGCCCCCTTATCTAGCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1394
QY 1569 CAGAGGCCAGCTGGGAGAACAGAGCTCTTGGAGTGGAGTGGAGGAGGAGGAGGAGGAGGAG 1628
Db 1395 CAGAGGCCAGCTGGGAGAACAGAGCTCTTGGAGTGGAGTGGAGGAGGAGGAGGAGGAGGAG 1454
QY 1629 TGAATTTCAAGGCTCAGAAAGGAGGCTGTGCACAGTTTCAAGGAGGAGGAGGAGGAGGAGGAG 1688
Db 1455 TGAATTTCAAGGCTCAGAAAGGAGGCTGTGCACAGTTTCAAGGAGGAGGAGGAGGAGGAGGAG 1514

QY 1689 GGAGCCTGTGTACTGGCGACATGTCCTGCTGGAGCAGTCTCACAGCTCACCGTCCCTGT 1748
Db 1515 GGAGCCTGTGTACTGGCGACATGTCCTGCTGGAGCAGTCTCACAGCTCACCGTCCCTGT 1574
QY 1749 ACCTGAGTGCCTCTCCAGAAACTGAGACAGAAAGAAAGCCCACTCCTCGATCTTC 1808
Db 1575 ACCTGAGTGCCTCTCCAGAAACTGAGACAGAAAGAAAGCCCACTCCTCGATCTTC 1634
QY 1809 ACATTGAACCTCAATGGCTACATGTATGATTGGAACACAGAGTTTCTGCCAAGGAGAAAT 1868
Db 1635 ACATTGAACCTCAATGGCTACATGTATGATTGGAACACAGAGTTTCTGCCAAGGAGAAAT 1694
QY 1869 ATTATGCTGGCTGCAGCACACTCTGAGAAAGAAACTTATCTCTCTCTACACATAA 1924
Db 1695 ATTATGCTGGCTGCAGCACACTCTGAGAAAGAAACTTATCTCTCTCTACACATAA 1750
RESULT 6
US-08-520-373D-4/c
; Sequence 4, Application US/08520373D
; Patent No. 6451763
; GENERAL INFORMATION:
; APPLICANT: Tombran-Tink, Joyce
; APPLICANT: Steele, Fintan R
; APPLICANT: Chader, Gerald J
; APPLICANT: Becerra, Sofia P
; APPLICANT: Johnson, Lincoln V
; APPLICANT: Rodriguez, Ignacio R
; TITLE OF INVENTION: RETINAL PIGMENTED EPITHELIUM DERIVED NEUROTROPIC FACTOR
; FILE REFERENCE: 2026-4203051
; CURRENT APPLICATION NUMBER: US/08/520,373D
; PRIOR FILING DATE: 1995-08-29
; PRIOR APPLICATION NUMBER: 08/377,710
; PRIOR FILING DATE: 1995-01-25
; PRIOR APPLICATION NUMBER: 08/279,979
; PRIOR FILING DATE: 1994-07-25
; PRIOR APPLICATION NUMBER: 07/894,215
; PRIOR FILING DATE: 1992-06-04
; PRIOR APPLICATION NUMBER: 07/952,796
; PRIOR FILING DATE: 1992-09-24
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 4
; LENGTH: 14581
; TYPE: DNA
; ORGANISM: HUMAN
; FEATURE:
; OTHER INFORMATION: mRNA: 6683; EXON: 6683-6790; EXON 11584-11675;
; OTHER INFORMATION: EXON: 14539-14581; INTRON: 6791-11583; INTRON:
; OTHER INFORMATION: 11676-14538; CDS: 11584-11675; 14539-14580
US-08-520-373D-4
Query Match 7.8%; Score 175; DB 4: Length 14581;
Best Local Similarity 76.2%; Pred. No. 1.5e-42;
Matches 246; Conservative 0; Mismatches 65; Indels 12; Gaps 2;
QY 1921 ATAAGAAACCAAGGCTGGCGCTAGTGGCTCACACCTGTAATCCAGCAGCTTTGGGAGG 1980
Db 9834 AAAAAAAAAAAGGCCAGGCCAGCTGCTCAAACTGTATCCAGCAGCTTTGAGAGG 9775
QY 1981 CCAAGAGGCGACATCACTTCAGGTCAGGAGTTTCGAGACAGCTCGGCCAACATGG-TAA 2039
Db 9774 CCGAGCGGGTAGATCACCTGAGTCAGGAGTTTGAGACCATCTCGCCCAACATGGAGAA 9715
QY 2040 ACCTCTCCTCTAGTAAATAATGCAAAATAGCTGGTGGTGGTGGTGGTGGTGGTGGTGG 2099
Db 9714 ACCCATCTCTACTAAAAATACAAAAATAGCCGGGTGGTGGTGGTGGTGGTGGTGGTGGT 9655
QY 2100 CAGTACTTGGGAGGCTGAGGTTGGGAGGATCTTTTGAACCCAGGAGCTTCAGGCTCATAGC 2159
Db 9654 CAGTACTTGGGAGGCTGAGGTTGGGAGGAGATCACTTGAATCCAGGAAGTGGAGGTTGCAGT 9595


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US-09-347-114A-81
Query Match          7.5%; Score 168.4; DB 4; Length 3867;
Best Local Similarity 72.8%; Pred. No. 7.le-41;
Matches 249; Conservative 0; Mismatches 0; Indels 12; Gaps 2;

QY   1903 ACTTATCCTCTCTACACATAAGAAACCAAAAGGCGTGCGGTAGTGGCTCACACTGTAA 1962
      ||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db    1049 ACHTTTATTTCCTTAGTAGTAAGAGGTAGGCTGGCATGGTGGCTCACACTGTAA 990

QY   1963 TCCACGCACYTTCGGAGGCCGAAGAGGGCAGATCACTTCAGGTCAGGAGTTCGAGACCAG 2022
      ||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db    989 TCCAGCACCTTCGGAGGCCGAGCGGGTGGATCACCTGAGATCAGGAATTCAGAACCAG 930

QY   2023 CTTGGGCCAACATGTT-AAACGCTGTCCCTAGTAAAAATGCAAAATATTAGCTGGGTGGG 2081
      ||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db    929 CTTGGGCCAACATGTTGAGACCCCCTGTCCTACTAAAAATACAANAATTAGCTGGGCATGGT 870

QY   2082 TGTTGGGTACCTGTGTTCCCAAGTTACTTGGGAGGCTGAGGTGGGAGGATCTTTTTGAACCCA 2141
      ||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db    869 GTTGGGCACCTGCAGCCCCAGCTACTCGGAGGCTGAGACAGAGAAGAATTGTTTGAACCTCG 810

QY   2142 GGAGTTCCAGGCTCATGACCTGCTGTGATTTGCTCTACGAATAGCCACTGCATCCAACTT 2201
      ||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db    809 GGAGGTAGAGGTTGCAGTGAGCTGAGATCG-----AATCACTGCACTCCAGCCT 761

QY   2202 GGGCAATATAGCAAGATCCCATCTCTTTAAAAAAAAAAAAAAAAA 2243
      ||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db    760 GGGCAATAGAGAGAGAGCTCCATCTCAAAAAAAAAAAAAAAAAAAAAA 719

RESULT 14
US-09-301-665-3/c
; Sequence 3, Application US/09301665
; Patent No. 6207876
; GENERAL INFORMATION:
; APPLICANT: KELLEMS, RODNEY E.
; APPLICANT: DATTA, SURJIT K.
; TITLE OF INVENTION: ADENOSINE DEAMINASE DEFICIENT TRANSGENIC MICE AND
; FILE REFERENCE: UTSH:243
; CURRENT APPLICATION NUMBER: US/09/301,665
; CURRENT FILING DATE: 1999-04-28
; EARLIER APPLICATION NUMBER: 60/083,408
; EARLIER FILING DATE: 1998-04-29
; EARLIER APPLICATION NUMBER: 60/083,370
; EARLIER FILING DATE: 1998-04-28
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 36741
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-301-665-3

Query Match          7.5%; Score 168.2; DB 4; Length 36741;
Best Local Similarity 73.5%; Pred. No. 3e-40;
Matches 233; Conservative 0; Mismatches 73; Indels 11; Gaps 1;

QY   1926 AAACCAAAGGCTGGGCGGTAGTGGCTCACACTGTAAATCCAGACACTTTGGGAGGCCAAG 1985
      ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db    1910 AAGACAGAGGCCAGGCACAGTGCTCATGCTGTAAATCCAGACACTGTGGAGGCCAAG 19851

QY   1986 GAGGGCAGATCACTTTCAGGTCAGGAGTTCGAGACCACGCTGGGCCAACATGTTAAACGCTG 2045
      ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db    19850 CTGGGTGGATCACTTTCAGGTCAGGAGTTCGAGACAGCAGCTGGGCCAACATGTGAACCCCA 19791

QY   2046 TCCTCTAGTAAAAATGCAAAAATAGCTGGGTGTGGGTGCTGGTACCTGTGTTCCAGTTA 2105
      ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db    19790 TCTCCGTAAAAATACAAAATATAGCTGGATGTGTGGCATGTGCTTGTAAATCCAGCTA 19731

QY   2106 CTTGGGAGGCTGAGGTGGGAGGATCTTTTGAACCCAGGAGAGTTCAGGGTCAATAGATGCTG 2165

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Db 19730 CTCAGGAGCTGAGCGAGGAGATCACTTGACCCAGGAGGTGCGAGGTTCAGTGCAGCG 19671
Qy 2166 TGATTGTGCTTACGAATAGCCACTGCATACCACTGGGCAATATAGCAAGATCCCATCT 2225
Db 19670 AGATCAT-----GCCACTGCACCTCCAGCTGGGCGACAGAGCAAGACTCTATCT 19622
Qy 2226 CTTTAAAAAANAAAAA 2242
Db 19621 CAAAAGAAAAAANAAAA 19605

RESULT 15

US-08-781-891-79
; Sequence 79, Application US/08781891
; Patent No. 6090620
; GENERAL INFORMATION:
; APPLICANT: Fu, Ying-Hui
; APPLICANT: Yu, Chang-En
; APPLICANT: Oshima, Junko
; APPLICANT: Mulligan, John T.
; APPLICANT: Schellenberg, Gerald D.
; TITLE OF INVENTION: GENE AND GENE PRODUCTS RELATED TO
; TITLE OF INVENTION: WERNER'S SYNDROME
; NUMBER OF SEQUENCES: 209
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED and BERRY LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98104-7092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/781,891
; FILING DATE: 27-DEC-1996
; CLASSIFICATION: 800
; ATTORNEY/AGENT INFORMATION:
; NAME: NO. 6090620tenburg Ph.D., Carol
; REGISTRATION NUMBER: 39,317
; REFERENCE/DOCKET NUMBER: 240052.419
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 79:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 87350 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-781-891-79

Query Match 7.5%; Score 168.2; DB 3; Length 87350;
Best Local Similarity 75.8%; Pred. No. 5e-40;
Matches 238; Conservative 0; Mismatches 64; Indels 12; Gaps 2;
Qy 1931 AAAAGCTGGCGGTAGTGGCTCACACCTGTAATCCAGCAGCTTGGGAGGCGCAAGGAGG 1990
Db 41980 AAAAGCTGGCGGTAGTGGCTCAGCCTGTATATCCAGCAGCTTGGGAGGCGCGAGG 42039
Qy 1991 CAGATCACTTCAGTCAAGGAGTTCGAGACCAGCCTGGCCAAACATGGT-AAACGCTGTCCC 2049
Db 42040 CAGATCACTTCAGTCAAGGAGTTCAGACCAGCCTGGCCAAACATGATGAAACTCCGTTTC 42099
Qy 2050 TAGTAAAAATGCAAAAAATAGCTGGGTGCTGGGTGCTGCTGCTGCTGCTGCTGCTGCTG 2109
Db 42100 TACTAAAAAGTACAAAAATAGCTGGGCGGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 42159
Qy 2110 GGAGGCTGAGGTGGGAGGATCTTTTGAACCCAGGAGTTCAGGAGTTCATAGCATGCTGTGAT 2169

Db 42160 GGAGGCTGAGGCGAGGAGATTTGTTGAACCCAGGAGGTTGGAGGTTGCAGTGCAGAT 42219
Qy 2170 TGTGCCCTTACGAATAGCCACTGCATACCACTGGGCAATATAGCAAGATCCCATCTTTT 2229
Db 42220 TGT-----GCCACTGCACCTTCAGCCTGGGCGACAGAGGAGACTCTGCTCTCNA 42268
Qy 2230 AAAAAAANAAAAA 2243
Db 42269 AAAAAAANAAAAA 42282

Search completed: April 12, 2003, 20:46:13
Job time : 517.207 secs